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VOLUME V

REVISED
REMEDIAL INVESTIGATION REPORT
JASCO CHEMICAL CORPORATION
MOUNTAIN VIEW, CALIFORNIA

APPENDIX I - LABORATORY REPORTS AND QA/QC ANALYSES
OF GROUNDWATER SAMPLES, 1989 TO PRESENT

Prepared by:
OHM Remediation Services Corp.
Sacramento, California

On behalf of:
Jasco Chemical Corporation
Mountain View, California

February 1, 1991

REVISED
RI REPORT

JASCO
CHEMICAL
CORP.

MOUNTAIN
VIEW,
CA

VOLUME
V

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REVISED
REMEDIAL INVESTIGATION REPORT
JASCO CHEMICAL CORPORATION
MOUNTAIN VIEW, CALIFORNIA

APPENDIX I - LABORATORY REPORTS AND QA/QC ANALYSES
OF GROUNDWATER SAMPLES, 1989 TO PRESENT

Prepared by:
OHM Remediation Services Corp.
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APPENDIX I

LABORATORY REPORTS OF ANALYSES OF GROUNDWATER 1989 TO PRESENT

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04		Sampled:	1/4/89 11:59
P.O.Box 578	Sample Descript:	Water, JCO1 V-10		Received:	1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8240		Analyzed:	1/13/89 14:08
Attention: Bob Breynaert	Lab Number:	901-0419		Reported:	1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	100.0	N.D.
Benzene	20.0	N.D.
Bromodichloromethane	20.0	N.D.
Bromoform	20.0	N.D.
Bromomethane	20.0	N.D.
2-Butanone	100.0	N.D.
Carbon disulfide	20.0	N.D.
Carbon tetrachloride	20.0	N.D.
Chlorobenzene	20.0	N.D.
Chlorodibromomethane	20.0	N.D.
Chloroethane	20.0	N.D.
2-Chloroethyl vinyl ether	100.0	N.D.
Chloroform	20.0	N.D.
[illegible]loromethane	20.0	N.D.
[illegible]-Dichloroethane	20.0	N.D.
1,2-Dichloroethane	20.0	N.D.
1,1-Dichloroethene	20.0	N.D.
Total 1,2-Dichloroethene	20.0	N.D.
1,2-Dichloropropane	20.0	N.D.
cis 1,3-Dichloropropene	20.0	N.D.
trans 1,3-Dichloropropene	20.0	N.D.
Ethylbenzene	20.0	N.D.
2-Hexanone	100.0	N.D.
Methylene chloride	20.0	2,000
4-Methyl-2-pentanone	100.0	N.D.
Styrene	20.0	N.D.
1,1,2,2-Tetrachloroethane	20.0	N.D.
Tetrachloroethene	20.0	N.D.
Toluene	20.0	N.D.
1,1,1-Trichloroethane	20.0	N.D.
1,1,2-Trichloroethane	20.0	N.D.
Trichloroethene	20.0	N.D.
Trichlorofluoromethane	20.0	N.D.
Vinyl acetate	20.0	N.D.
Vinyl chloride	20.0	N.D.
Total Xylenes	20.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

[illegible]QUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	**Vol./Wt. of Aliquot:**	500 uL
Column:	Supelco Carbopack B; SP 1000	**Dilution Factor:**	1:10
Analyst:	J. Schwarz		

9010419.HAN <27>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 11:59
P.O.Box 578	Sample Descript:	Water, JCO1 V-10	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/13/89 14:08
Attention: Bob Breynaert	Lab Number:	901-0419	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 50 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. *Positive identification or specification between* isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL

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(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/4/89 15:26
P.O.Box 578	Sample Descript:	Water, JCO2 V-3	Received:	1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8240	Analyzed:	1/13/89 15:38
Attention: Bob Breynaert	Lab Number:	901-0420	Reported:	1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	11
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	7.8
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	3.2
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	2.1
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	3.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	J. Schwarz		

9010419.HAN <28>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 15:26
P.O.Box 578	Sample Descript:	Water, JCO2 V-3	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/13/89 15:38
Attention: Bob Breynaert	Lab Number:	901-0420	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL

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Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 16:20
P.O.Box 578	Sample Descript: Water, JCO3 V-1	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method: EPA 8240	Analyzed: 1/16/89 11:16
Attention: Bob Breynaert	Lab Number: 901-0421	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	J. Schwarz		

9010419.HAN <29>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 16:20
P.O.Box 578	Sample Descript:	Water, JCO3 V-1	Received: 1/4/19:30
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/16/89 11:18
Attention: Bob Breynaert	Lab Number:	901-0421	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
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(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 17:58
P.O.Box 578	Sample Descript: Water, JCO4 V-6	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method: EPA 8240	Analyzed: 1/16/89 11:53
Attention: Bob Breynaert	Lab Number: 901-0422	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1-Dichloroethane	2.0	N.D.
-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	J. Schwarz		

9010419.HAN <30>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 17:58
P.O.Box 578	Sample Descript:	Water, JCO4 V-6	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/16/89 11:53
Attention: Bob Breynaert	Lab Number:	901-0422	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

9010531.HAN <E>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/5/89 10:18
P.O.Box 578	Sample Descript:	Water, JCO7 I-1	Received:	1/5/89 16:54
Novato, CA 94948	Analysis Method:	EPA 8240	Analyzed:	1/16/89 12:27
Attention: Bob Breynaert	Lab Number:	901-0423	Reported:	1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.6
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	J. Schwarz		

9010419.HAN <31>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 10:18
P.O.Box 578	Sample Descript:	Water, JCO7 I-1	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan'	Analyzed: 1/16/89 12:27
Attention: Bob Breynaert	Lab Number:	901-0423	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
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Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 12:15
P.O.Box 578	Sample Descript: Water, JCO8 V-5	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8240	Analyzed: 1/16/89 14:20
Attention: Bob Breynaert	Lab Number: 901-0424	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	J. Schwarz		

9010419.HAN <32>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 17:15
P.O.Box 578	Sample Descript:	Water, JCO8	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/16/89 14:20
Attention: Bob Breynaert	Lab Number:	901-0424	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 13:06
P.O.Box 578	Sample Descript: Water, JCO9 V-4	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8240	Analyzed: 1/16/89 16:47
Attention: Bob Breynaert	Lab Number: 901-0425	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	100.0	N.D.
Benzene	20.0	N.D.
Bromodichloromethane	20.0	N.D.
Bromoform	20.0	N.D.
Bromomethane	20.0	N.D.
2-Butanone	100.0	N.D.
Carbon disulfide	20.0	N.D.
Carbon tetrachloride	20.0	N.D.
Chlorobenzene	20.0	N.D.
Chlorodibromomethane	20.0	N.D.
Chloroethane	20.0	N.D.
2-Chloroethyl vinyl ether	100.0	N.D.
Chloroform	20.0	N.D.
Chloromethane	20.0	N.D.
1,1-Dichloroethane	20.0	680
1,2-Dichloroethane	20.0	N.D.
1,1-Dichloroethene	20.0	66
Total 1,2-Dichloroethene	20.0	N.D.
1,2-Dichloropropane	20.0	N.D.
cis 1,3-Dichloropropene	20.0	N.D.
trans 1,3-Dichloropropene	20.0	N.D.
Ethylbenzene	20.0	N.D.
2-Hexanone	100.0	N.D.
Methylene chloride	20.0	550
4-Methyl-2-pentanone	100.0	N.D.
Styrene	20.0	N.D.
1,1,2,2-Tetrachloroethane	20.0	N.D.
Tetrachloroethene	20.0	N.D.
Toluene	20.0	N.D.
1,1,1-Trichloroethane	20.0	990
1,1,2-Trichloroethane	20.0	N.D.
Trichloroethene	20.0	N.D.
Trichlorofluoromethane	20.0	N.D.
Vinyl acetate	20.0	N.D.
Vinyl chloride	20.0	N.D.
Total Xylenes	20.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	500 uL
Column:	Supelco Carbopack B; SP 1000	Dilution Factor:	1:10
Analyst:	J. Schwarz		

9010419.HAN <33>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 13:05
P.O.Box 578	Sample Descript:	Water, JCO9 V-4	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/16/89 16:17
Attention: Bob Breynaert	Lab Number:	901-0425	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 50 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

J. Locan

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04		Sampled:	1/5/89 13:10
P.O.Box 578	Sample Descript:	Water, JC11 V-4		Received:	1/5/89 18:54
Novato, CA 94948	Analysis Method:	EPA 8240		Analyzed:	1/16/89 18:11
Attention: Bob Breynaert	Lab Number:	901-0426		Reported:	1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	100.0	N.D.
Benzene	20.0	N.D.
Bromodichloromethane	20.0	N.D.
Bromoform	20.0	N.D.
Bromomethane	20.0	N.D.
2-Butanone	100.0	N.D.
Carbon disulfide	20.0	N.D.
Carbon tetrachloride	20.0	N.D.
Chlorobenzene	20.0	N.D.
Chlorodibromomethane	20.0	N.D.
Chloroethane	20.0	N.D.
2-Chloroethyl vinyl ether	100.0	N.D.
Chloroform	20.0	N.D.
Chloromethane	20.0	N.D.
1,1-Dichloroethane	20.0	690
1,2-Dichloroethane	20.0	N.D.
1,1-Dichloroethene	20.0	66
Total 1,2-Dichloroethene	20.0	N.D.
1,2-Dichloropropane	20.0	N.D.
cis 1,3-Dichloropropene	20.0	N.D.
trans 1,3-Dichloropropene	20.0	N.D.
Ethylbenzene	20.0	N.D.
2-Hexanone	100.0	N.D.
Methylene chloride	20.0	540
4-Methyl-2-pentanone	100.0	N.D.
Styrene	20.0	N.D.
1,1,2,2-Tetrachloroethane	20.0	N.D.
Tetrachloroethene	20.0	N.D.
Toluene	20.0	N.D.
1,1,1-Trichloroethane	20.0	970
1,1,2-Trichloroethane	20.0	N.D.
Trichloroethene	20.0	N.D.
Trichlorofluoromethane	20.0	N.D.
Vinyl acetate	20.0	N.D.
Vinyl chloride	20.0	N.D.
Total Xylenes	20.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	500 uL
Column:	Supelco Carbopack B; SP 1000	Dilution Factor:	1:10
Analyst:	J. Schwarz		

9010419 HAN <34>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 13:10
P.O.Box 578	Sample Descript:	Water, JC11 V-4	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/16/89 18:11
Attention: Bob Breynaert	Lab Number:	901-0426	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 50 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 15:41
P.O.Box 578	Sample Descript: Water JC12 I-2	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8240	Analyzed: 1/17/89 13:19
Attention: Bob Breynaert	Lab Number: 901-0427	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	3.6
[illegible]-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	2.1
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.8
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	S. Fong		

9010419.HAN <35>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 15:41
P.O.Box 578	Sample Descript:	Water, JC12 I-2	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/17/89 13:19
Attention: Bob Breynaert	Lab Number:	901-0427	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 17:10
P.O.Box 578	Sample Descript: Water JC13 V-7	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8240	Analyzed: 1/17/89 14:02
Attention: Bob Breynaert	Lab Number: 901-0428	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
-Dichloroethane	2.0	16
-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	4.3
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	8.7
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	S. Fong		

9010419 HAN <36>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 17:10
P.O.Box 578	Sample Descript:	Water, JC13 V-7	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/17/89 14:02
Attention: Bob Breynaert	Lab Number:	901-0428	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04		Sampled:	1/5/89 17:10
P.O.Box 578	Sample Descript:	Water, JC13		Received:	1/6/89 16:54
Novato, CA 94948	Analysis Method:	EPA 5030/8010		Analyzed:	1/15/89 18:20
Attention: Bob Breynaert	Lab Number:	901-0269		Reported:	1/19/89

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit ug/L	Sample Results ug/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	0.5	N.D.
Dibromochloromethane	0.5	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	12
[illegible]-Dichloroethane	0.5	N.D.
[illegible]-Dichloroethene	1.0	3.2
trans-1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	7.4
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	PE 8500, Hall Detector	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco SP 1200	Dilution/Conc. Factor:	None
Analyst:	M. Giles		

9010531.HAN <4>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 9:16
P.O.Box 578	Sample Descript:	Water, JC17 V-9	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method:	EPA 8240	Analyzed: 1/17/89 14:40
Attention: Bob Breynaert	Lab Number:	901-0531	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.8
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	S. Fong		

9010531 HAN <1>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/6/89 9:16
P.O.Box 578	Sample Descript:	Water, JC17 V-9	Received:	1/6/89 14:53
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed:	1/17/89 14:40
Attention: Bob Breynaert	Lab Number:	901-0531	Reported:	1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

9010531.HAN <15>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 11:10
P.O.Box 578	Sample Descript:	Water, JC19 V-8	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method:	EPA 8240	Analyzed: 1/17/89 15:17
Attention: Bob Breynaert	Lab Number:	901-0532	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	**2.0**	**4.0**
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	S. Fong		

901053 HAN <2>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 11:10
P.O.Box 578	Sample Descript:	Water, JC19 V-8	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/17/89 15:17
Attention: Bob Breynaert	Lab Number:	901-0532	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 12:55
P.O.Box 578	Sample Descript:	Water, JC20 I-3	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method:	EPA 8240	Analyzed: 1/17/89 15:55
Attention: Bob Breynaert	Lab Number:	901-0533	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F3	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; SP 1000	Dilution/Conc. Factor:	None
Analyst:	J. Schwarz		

9010531 HAN <3>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
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Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 12:55
P.O.Box 578	Sample Descript:	Water, JC20 I-3	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan'	Analyzed: 1/17/89 15:55
Attention: Bob Breynaert	Lab Number:	901-0533	Reported: 1/19/89

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L

No additional peaks > 5 ug/L were identified by the Mass Spectral Library.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
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Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 11:59
P.O.Box 578	Sample Descript:	Water, JCO1 V-10	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number:	901-0419	Analyzed: 1/13/89 8:59
			Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419 HAN <11>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 16:20
P.O.Box 578	Sample Descript: Water, JCO3 V-1	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0421	Analyzed: 1/13/89 9:21
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <12>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 11:59
P.O.Box 578	Sample Descript: Water, JCO4 V-6	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0422	Analyzed: 1/13/89 10:05
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <13>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 10:18
P.O.Box 578	Sample Descript:	Water, JCO7 I-1	Received: 1/5/89 16:54
Novato, CA 94948	Analysis Method:	EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number:	901-0423	Analyzed: 1/13/89 10:24
			Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <14>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 12:15
P.O.Box 578	Sample Descript: Water, JCO8 V-5	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0424	Analyzed: 1/13/89 10:46
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <15>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 13:06
P.O.Box 578	Sample Descript: Water, JCO9 V-4	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0425	Analyzed: 1/13/89 14:02
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <16>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 15:41
P.O.Box 578	Sample Descript: Water, JC12 I-2	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0427	Analyzed: 1/13/89 11:05
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <17>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89 17:10
P.O.Box 578	Sample Descript: Water, JC13 √-7	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0428	Analyzed: 1/13/89 11:24
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <18>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 9:16
P.O.Box 578	Sample Descript: Water, JC17 V-9	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0531	Analyzed: 1/13/89 12:27
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <19>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 11:16
P.O.Box 578	Sample Descript: Water, JC19 V-8	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0532	Analyzed: 1/13/89 12:46
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <20>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/6/89 12:55
P.O.Box 578	Sample Descript: Water, JC20 I-3	Received: 1/6/89 14:53
Novato, CA 94948	Analysis Method: EPA 8040	Extracted: 1/12/89 8:00
Attention: Bob Breynaert	Lab Number: 901-0533	Analyzed: 1/13/89 13:19
		Reported: 1/19/89

PHENOLS (EPA 8040)

Analyte	Detection Limit ug/L	Sample Results ug/L
4-Chloro-3-methylphenol	5.0	N.D.
2-Chlorophenol	5.0	N.D.
2,4-Dichlorophenol	5.0	N.D.
2,4-Dimethylphenol	5.0	N.D.
2,4-Dinitrophenol	150.0	N.D.
2-Methyl-4,6-dinitrophenol	150.0	N.D.
2-Nitrophenol	5.0	N.D.
4-Nitrophenol	50.0	N.D.
Pentachlorophenol	50.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	HP 5890, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco DB-5	Concentration Factor:	800X
Analyst:	B. Bjorkman		

9010419.HAN <21>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 15:26
P.O.Box 578	Sample Descript: Water, JCO2 V-3	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method: EPA 8270	Extracted: 1/11/89 13:00
Attention: Bob Breynaert	Lab Number: 901-0420	Analyzed: 1/13/89 13:21
		Reported: 1/19/89

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50.0	N.D.
Benzoic Acid	10.0	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethyoxy)methane	2.0	N.D.
(2-chloroethyl)ether	2.0	N.D.
(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10.0	N.D.
4-Bromophenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10.0	N.D.
2,4-Dinitrophenol	10.0	N.D.

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 15:26
P.O.Box 578	Sample Descript: Water, JCO2 √-3	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method: EPA 8270	Extracted: 1/11/89 13:00
Attention: Bob Breynaert	Lab Number: 901-0420	Analyzed: 1/13/89 13:21
		Reported: 1/19/89 0:00

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit ug/L	Sample Results ug/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	N.D.
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	N.D.
2-Nitroaniline	2.0	N.D.
3-Nitroaniline	2.0	N.D.
4-Nitroaniline	2.0	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10.0	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10.0	N.D.
Phenathrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Finnigan Incos 50, F2	Vol./Wt. of Aliquot:	400 mL
Column:	J & W DB5 Capillary	Concentration Factor:	200X
Analyst:	J. Schwarz		

9010419.HAN <9>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 15:26
P.O.Box 578	Sample Descript:	Water, JCO2	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/11/89 13:00
Attention: Bob Breynaert	Lab Number:	901-0420	Reported: 1/13/89 13:21
			Reported: 1/19/89

SEMI-VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L
2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Met ethoxy]-	10.0	390
Butanoic Acid, 4-Butoxy	10.0	49

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note.
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89 15:26
P.O.Box 578	Sample Descript:	Water, JCO2	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8240 & 'Open Scan"	Analyzed: 1/11/89 13:00
Attention: Bob Breynaert	Lab Number:	901-0420	Reported: 1/13/89 13:21
			Reported: 1/19/89

SEMI-VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit ug/L	Sample Results ug/L
2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Met ethoxy]-	10.0	390
Butanoic Acid, 4-Butoxy	10.0	49

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89
P.O.Box 578	Matrix Descript: Water	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method: EPA 3510/8015	Analyzed: 1/13/89 12:00
Attention: Bob Breynaert	First Sample #: 901-0419	Reported: 1/19/89

TOTAL PETROLEUM FUEL HYDROCARBONS, HIGH BOILING POINT (EPA 8015)

Sample Number	Sample Description	Paint Thinner ug/L (ppb)	Kerosene ug/L (ppb)	Laquer Thinner ug/L (ppb)	Diesel ug/L (ppb)
901-0419	JCO1 (1159) V-10	N.D.	N.D.	N.D.	N.D.
901-0420	JCO2 (1526) V-3	N.D.	N.D.	N.D.	6,200
901-0421	JCO3 (1620) V-1	N.D.	N.D.	N.D.	150
901-0422	JCO4 (1768) V-6	N.D.	N.D.	N.D.	N.D.
Detection Limits:		50.0	50.0	50.0	50.0

High Boiling Point Hydrocarbons are quantitated against the standards indicated above.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	PE Sigma 300, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco SP 2100	Concentration Factor:	400 X
Analyst:	J. McKee		

9010419.HAN <23>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/4/89
P.O.Box 578	Matrix Descript:	Water	Received:	1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 3510/8015	Analyzed:	1/13/89 12:00
Attention: Bob Breynaert	First Sample #:	901-0419	Reported:	1/19/89

TOTAL PETROLEUM FUEL HYDROCARBONS, HIGH BOILING POINT (EPA 8015)

Sample Number	Sample Description	Paint Thinner ug/L (ppb)	Kerosene ug/L (ppb)	Laquer Thinner ug/L (ppb)	Diesel ug/L (ppb)
901-0419	JCO1 (1159) V-10	N.D.	N.D.	N.D.	N.D.
901-0420	JCO2 (1526) V-3	N.D.	N.D.	N.D.	6,200
901-0421	JCO3 (1620) V-1	N.D.	N.D.	N.D.	150
901-0422	JCO4 (1768) V-6	N.D.	N.D.	N.D.	N.D.
Detection Limits:		50.0	50.0	50.0	50.0

High Boiling Point Hydrocarbons are quantitated against the standards indicated above.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	PE Sigma 300, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco SP 2100	Concentration Factor:	400 X
Analyst:	J. McKee		

9010419.HAN <23>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/4/89
P.O.Box 578	Matrix Descript:	Water	Received:	1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 3510/8015	Analyzed:	1/13/89 12:00
Attention: Bob Breynaert	First Sample #:	901-0419	Reported:	1/19/89

TOTAL PETROLEUM FUEL HYDROCARBONS, HIGH BOILING POINT (EPA 8015)

Sample Number	Sample Description	Paint Thinner ug/L (ppb)	Kerosene ug/L (ppb)	Laquer Thinner ug/L (ppb)	Diesel ug/L (ppb)
901-0419	JCO1 (1159) V-10	N.D.	N.D.	N.D.	N.D.
901-0420	JCO2 (1526) V-3	N.D.	N.D.	N.D.	6,200
901-0421	JCO3 (1620) V-1	N.D.	N.D.	N.D.	150
901-0422	JCO4 (1763) V-6	N.D.	N.D.	N.D.	N.D.
Detection Limits:		50.0	50.0	50.0	50.0

High Boiling Point Hydrocarbons are quantitated against the standards indicated above.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	PE Sigma 300, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco SP 2100	Concentration Factor:	400 X
Analyst:	J. McKee		

9010419.HAN <23>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID: Jasco/Mountain View, 18954.003.04	Sampled: 1/5/89
P.O.Box 578	Matrix Descript: Water	Received: 1/5/89 18:54
Novato, CA 94948	Analysis Method: EPA 3510/8015	Analyzed: 1/13/89 15:00
Attention: Bob Breynaert	First Sample #: 901-0423	Reported: 1/19/89

TOTAL PETROLEUM FUEL HYDROCARBONS, HIGH BOILING POINT (EPA 8015)

Sample Number	Sample Description	Paint Thinner ug/L (ppb)	Kerosene ug/L (ppb)	Laquer Thinner ug/L (ppb)	Diesel ug/L (ppb)
901-0423	JC07 (1016) I-1	N.D.	N.D.	N.D.	N.D.
901-0424	JC08 (1215) V-5	N.D.	N.D.	N.D.	N.D.
901-0425	JC09 (1306) V-4	N.D.	N.D.	N.D.	270
901-0427	JC-12 (1541) I-2	N.D.	N.D.	N.D.	N.D.
901-0428	JC-13 (1710_ V-7	N.D.	N.D.	N.D.	N.D.
Detection Limits:		50.0	50.0	50.0	50.0

High Boiling Point Hydrocarbons are quantitated against the standards indicated above.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	PE Sigma 300, FID	Vol./Wt. of Aliquot:	800 mL
Column:	Supelco SP 2100	Concentration Factor:	400 X
Analyst:	J. McKee		

9010419.HAN <24>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89
P.O.Box 578	Matrix Descript:	Water	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8015 Modified	Analyzed: 1/12/89 10:00
Attention: Bob Breynaert	First Sample #:	901-0419	Reported: 1/19/89

ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 MODIFIED)

Sample Number	Sample Description	Methanol ug/L (ppb)	Ethanol ug/L (ppb)	Acetone ug/L (ppb)	Isopropanol ug/L (ppb)
901-0419	JCO1 (1159) V-10	N.D.	N.D.	N.D.	N.D.
901-0420	JCO2 (1520) V-3	N.D.	N.D.	N.D.	N.D.
901-0421	JCO3 (1620) V-1	N.D.	N.D.	N.D.	N.D.
901-0422	JCO4 (1758) V-6	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**50.0**	**10.0**	**10.0**	**10.0**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	PE 8500 FID	**Vol./Wt. of Aliquot:**	5 mL
Column:	Supelco Carbopack B; 3% SP 1500	**Dilution/Conc. Factor:**	None
Analyst:	T. Fowler		

9010531.HAN <19>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89
P.O.Box 578	Matrix Descript:	Water	Received: 1/4/89 19:30
Novato, CA 94948	Analysis Method:	EPA 8015 Modified	Analyzed: 1/12/89 10:00
Attention: Bob Breynaert	First Sample #:	901-0419	Reported: 1/19/89

ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 MODIFIED)

Sample Number	Sample Description	Methanol ug/L (ppb)	Ethanol ug/L (ppb)	Acetone ug/L (ppb)	Isopropanol ug/L (ppb)
901-0419	JCO1 (1159) V-10	N.D.	N.D.	N.D.	N.D.
901-0420	JCO2 (1520) V-3	N.D.	N.D.	N.D.	N.D.
901-0421	JCO3 (1620) V-1	N.D.	N.D.	N.D.	N.D.
901-0422	JCO4 (1758) V-6	N.D.	N.D.	N.D.	N.D.
Detection Limits:		50.0	10.0	10.0	10.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	PE 8500 FID	Vol./Wt. of Aliquot:	5 mL
Column:	Supelco Carbopack B; 3% SP 1500	Dilution/Conc. Factor:	None
Analyst:	T. Fowler		

9010531.HAN <19>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/4/89
P.O.Box 578	Sample Descript:	Water	Received:	1/4/89 19:30
Novato, CA 94948	Analysis for:	Turbidity	Analyzed:	1/12/89 9:00
Attention: Bob Breynaert	First Sample #:	901-0419	Reported:	1/19/89

LABORATORY ANALYSIS FOR: TURBIDITY

Sample Number	Sample Description	Detection Limit NTU	Sample Result NTU
901-0419	JCO1 (1159)	0.1	1,900
901-0420	JCO2 (1526)	0.1	390
901-0421	JCO3 (1620)	0.1	1,800
901-0422	JCO4 (1758)	0.1	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Nephelometer	Vol./Wt. of Aliquot:	50 mL
Column:	N/A	Dilution/Conc. Factor:	N/A
Analyst:	N. Markovich		

9010419.HAN <4>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/4/89
P.O.Box 578	Sample Descript:	Water	Received:	1/4/89 19:30
Novato, CA 94948	Analysis for:	Turbidity	Analyzed:	1/12/89 9:00
Attention: Bob Breynaert	First Sample #:	901-0419	Reported:	1/19/89

LABORATORY ANALYSIS FOR: TURBIDITY

Sample Number	Sample Description	Detection Limit NTU	Sample Result NTU
901-0419	JCO1 (1159)	0.1	1,900
901-0420	JCO2 (1526)	0.1	390
901-0421	JCO3 (1620)	0.1	1,800
901-0422	JCO4 (1758)	0.1	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Nephelometer	Vol./Wt. of Aliquot:	50 mL
Column:	N/A	Dilution/Conc. Factor:	N/A
Analyst:	N. Markovich		

9010419.HAN <4>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89
P.O.Box 578	Sample Descript:	Water	Received: 1/4/89 19:30
Novato, CA 94948	Analysis for:	Turbidity	Analyzed: 1/12/89 9:00
Attention: Bob Breynaert	First Sample #:	901-0419	Reported: 1/19/89

LABORATORY ANALYSIS FOR: TURBIDITY

Sample Number	Sample Description	Detection Limit NTU	Sample Result NTU
901-0419	JCO1 (1159)	0.1	1,900
901-0420	JCO2 (1526)	0.1	390
901-0421	JCO3 (1620)	0.1	1,800
901-0422	JCO4 (1758)	0.1	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Nephelometer	Vol./Wt. of Aliquot:	50 mL
Column:	N/A	Dilution/Conc. Factor:	N/A
Analyst:	N. Markovich		

9010419.HAN <4>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Q.C. Sample Dates
P.O.Box 578	Method (units):	SM 214A, NTU	
Novato, CA 94948	Analyst:	N. Markovich	Extracted: -
Attention: Bob Breynaert	QC Sample #:	901-0419	Analyzed: 1/12, 1/13/89
	QC Sample Group:	9010419-9010533	Reported: 1/19/89

QUALITY CONTROL DATA REPORT

Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	% Recovery	Conc. Matrix Spike Duplicate	% Recovery	Relative % Deviation
Turbidity	1,900.0	95	1985	89	1982	86	1.8

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

9010419.HAN <7>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled: 1/4/89
P.O.Box 578	Sample Descript:	Water	Received: 1/4/89 19:30
Novato, CA 94948	Analysis for:	Moisture Content	Analyzed: 1/12/89 15:30
Attention: Bob Breynaert	First Sample #:	901-0419	Reported: 1/16/89

LABORATORY ANALYSIS FOR: MOISTURE CONTENT

Sample Number	Sample Description	Detection Limit %	Sample Result %
901-0419	JCO1 (1159)	0.1	99.4
901-0420	JCO2 (1526)	0.1	99.8
901-0421	JCO3 (1620)	0.1	99.6
901-0422	JCO4 (1756)	0.1	99.9

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Drying Oven	Vol./Wt. of Aliquot:	100 mL
Column:	N/A	Dilution/Conc. Factor:	N/A
Analyst:	S. DeLeo		

9010419.HAN <1>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/4/89
P.O.Box 578	Sample Descript:	Water	Received:	1/4/89 19.30
Novato, CA 94948	Analysis for:	Moisture Content	Analyzed:	1/12/89 15:30
Attention: Bob Breynaert	First Sample #:	901-0419	Reported:	1/16/89

LABORATORY ANALYSIS FOR: MOISTURE CONTENT

Sample Number	Sample Description	Detection Limit %	Sample Result %
901-0419	JCO1 (1159)	0.1	99.4
901-0420	JCO2 (1526)	0.1	99.8
901-0421	JCO3 (1620)	0.1	99.6
901-0422	JCO4 (1758)	0.1	99.9

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Drying Oven	Vol./Wt. of Aliquot:	100 mL
Column:	N/A	Dilution/Conc. Factor:	N/A
Analyst:	S. DeLeo		

9010419.HAN <1>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Sampled:	1/4/89
P.O.Box 578	Sample Descript:	Water	Received:	1/4/89 19:30
Novato, CA 94948	Analysis for:	Moisture Content	Analyzed:	1/12/89 15:30
Attention: Bob Breynaert	First Sample #:	901-0419	Reported:	1/16/89

LABORATORY ANALYSIS FOR: MOISTURE CONTENT

Sample Number	Sample Description	Detection Limit %	Sample Result %
901-0419	JCO1 (1159)	0.1	99.4
901-0420	JCO2 (1526)	0.1	99.8
901-0421	JCO3 (1620)	0.1	99.6
901-0422	JCO4 (1758)	0.1	99.9

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Instrument:	Drying Oven	Vol./Wt. of Aliquot:	100 mL
Column:	N/A	Dilution/Conc. Factor:	N/A
Analyst:	S. DeLeo		

9010419 HAN <1>

ANAMETRIX INC

1961 Concourse Drive Suite E
San Jose CA 95131
(408) 432-8192 • Fax (408) 432-8198

RECEIVED

Bob Breynaert
Harding Lawson Associates
666 Howard Street
San Francisco, CA 94105

January 23, 1989
Anametrix W.O.#: 8901031
Date Received : 01/06/89
Purchase Order#: N/A

Dear Mr. Breynaert:

Your samples have been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS, and QUALITY ASSURANCE.

NOTE: 1) Amounts reported are net values, i.e. corrected for method blank contamination.
2) The following footnotes are applicable to Methods 624/8240:

- * A Method 624/8240 priority pollutant compound (Federal Register, 10/26/84)
- ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
- \# An additional compound analyzed for by ANAMETRIX, INC.
- ND: Not detected at or above the practical quantitation limit for the method.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

ANAMETRIX, INC.

Burt Sutherland
Laboratory Director

BWS/dg

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Harding Lawson Associates
Address : 666 Howard Street

City : San Francisco, CA 94105
Attn. : Bob Breynaert

Anametrix W.O.#: 8901031
Date Received : 01/06/89
Purchase Order#: N/A
Project No. : 18954
Date Released : 01/23/89

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
8901031-01	18954 8901JC05	WATER	01/04/89	8240		01/09/89	F3
8901031-02	18954 8901JC06	WATER	01/04/89	8240		01/09/89	F3
8901031-03	18954 8901JC10	WATER	01/05/89	8240		01/09/89	F3
8901031-04	18954 8901JC14	WATER	01/05/89	8240		01/20/89	F3
8901031-04	18954 8901JC14	WATER	01/05/89	8010		01/09/89	HP10
8901031-05	18954 8901JC15	WATER	01/05/89	8240		01/09/89	F3
8901031-06	18954 8901JC16	WATER	01/05/89	8240		01/09/89	F3
8901031-07	18954 8901JC18	WATER	01/06/89	8240		01/09/89	F3
8901031-08	18954 8901JC21	WATER	01/06/89	8240		01/09/89	F3
QUALITY ASSURANCE (QA)							
3CB0109V01	METHOD BLANK	WATER	NA	8240		01/09/89	F3
3CB0120V00	METHOD BLANK	WATER	NA	8240		01/20/89	F3
10B0109H01	METHOD BLANK	WATER	NA	8010		01/09/89	HP10
8901031-01	18954 8901JC05	WATER	NA	SPIKE		01/09/89	F3

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/625

ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC05
Matrix : WATER
Date sampled : 01/04/89
Date analyzed: 01/09/89
Dilut. factor: NONE

Anametrix I.D. : 8901031-01
Analyst : LH
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	96%
2037-26-5	Toluene-d8	83-118%	97%
460-00-4	p-Bromofluorobenzene	88-118%	98%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC06
Matrix : WATER
Date sampled : 01/04/89
Date analyzed: 01/09/89
Dilut. factor: NONE

Anametrix I.D. : 8901031-02
Analyst : UM
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	96%
2037-26-5	Toluene-d8	83-118%	94%
60-00-4	p-Bromofluorobenzene	88-118%	97%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC10
Matrix : WATER
Date sampled : 01/05/89
Date analyzed: 01/09/89
Dilut. factor: 10

Anametrix I.D. : 8901031-03
Analyst : TC
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	100	ND
75-01-4	* Vinyl Chloride	100	ND
74-83-9	* Bromomethane	100	ND
75-00-3	* Chloroethane	100	ND
75-69-4	* Trichlorofluoromethane	50	ND
75-35-4	* 1,1-Dichloroethene	50	79
76-13-1	# Trichlorotrifluoroethane	50	ND
67-64-1	**Acetone	200	ND
75-15-0	**Carbondisulfide	50	ND
75-09-2	* Methylene Chloride	50	640
156-60-5	* Trans-1,2-Dichloroethene	50	ND
75-34-3	* 1,1-Dichloroethane	50	850
78-93-3	**2-Butanone	200	ND
156-59-2	* Cis-1,2-Dichloroethene	50	ND
67-66-3	* Chloroform	50	ND
71-55-6	* 1,1,1-Trichloroethane	50	1400
56-23-5	* Carbon Tetrachloride	50	ND
71-43-2	* Benzene	50	ND
107-06-2	* 1,2-Dichloroethane	50	ND
79-01-6	* Trichloroethene	50	ND
78-87-5	* 1,2-Dichloropropane	50	ND
75-27-4	* Bromodichloromethane	50	ND
110-75-8	* 2-Chloroethylvinylether	50	ND
108-05-4	**Vinyl Acetate	100	ND
10061-02-6	* Trans-1,3-Dichloropropene	50	ND
108-10-1	**4-Methyl-2-Pentanone	100	ND
108-88-3	* Toluene	50	ND
10061-01-5	* cis-1,3-Dichloropropene	50	ND
79-00-5	* 1,1,2-Trichloroethane	50	ND
127-18-4	* Tetrachloroethene	50	ND
591-78-6	**2-Hexanone	100	ND
124-48-1	* Dibromochloromethane	50	ND
108-90-7	* Chlorobenzene	50	ND
100-41-4	* Ethylbenzene	50	ND
1330-20-7	**Total Xylenes	50	ND
100-42-5	**Styrene	50	ND
75-25-2	* Bromoform	50	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	50	ND
541-73-1	* 1,3-Dichlorobenzene	50	ND
106-46-7	* 1,4-Dichlorobenzene	50	ND
95-50-1	* 1,2-Dichlorobenzene	50	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	95%
2037-26-5	Toluene-d8	83-118%	95%
460-00-4	p-Bromofluorobenzene	88-118%	94%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC14
Matrix : WATER
Date sampled : 01/05/89
Date analyzed: 01/20/89
Dilut. factor: NONE

Anametrix I.D. : 8901031-04
Analyst : UM
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	7
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	20
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	12
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	91%
2037-26-5	Toluene-d8	83-118%	100%
460-00-4	p-Bromofluorobenzene	88-118%	98%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC14
Matrix : WATER
Date sampled : 01/05/89
Date analyzed: 01/09/89
Dilution : NONE

Anametrix I.D. : 8901031-04
Analyst : CM
Supervisor : MS
Date released : 01/23/89
Instrument ID : HP10

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
75-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	4.0
75-34-3	* 1,1-Dichloroethane	0.5	15
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	8.0
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
	% Surrogate Recovery	51-136%	96%

ND : Not detected at or above the practical quantitation limit for the method.
* A 601/8010 approved compound (Federal Register, 10/26/84).
\# A compound added by Anametrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC15
Matrix : WATER
Date sampled : 01/05/89
Date analyzed: 01/09/89
Dilut. factor: NONE

Anametrix I.D. : 8901031-05
Analyst : TC
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	46
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	95%
2037-26-5	Toluene-d8	83-118%	92%
460-00-4	p-Bromofluorobenzene	88-118%	94%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC16
Matrix : WATER
Date sampled : 01/05/89
Date analyzed: 01/09/89
Dilut. factor: NONE

Anametrix I.D. : 8901031-06
Analyst : LM
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	95%
2037-26-5	Toluene-d8	83-118%	96%
460-00-4	p-Bromofluorobenzene	88-118%	97%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC18
Matrix : WATER
Date sampled : 01/06/89
Date analyzed: 01/09/89
Dilut. factor: NONE

Anametrix I.D. : 8901031-07
Analyst : UH
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	94%
2037-26-5	Toluene-d8	83-118%	95%
460-00-4	p-Bromofluorobenzene	88-118%	97%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC21
Matrix : WATER
Date sampled : 01/06/89
Date analyzed: 01/09/89
Dilut. factor: NONE

Anametrix I.D. : 8901031-08
Analyst : WJ
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	41
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	95%
2037-26-5	Toluene-d8	83-118%	95%
460-00-4	p-Bromofluorobenzene	88-118%	97%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: METHOD BLANK	Anametrix I.D.	: 3CB0109V01
Matrix	: WATER	Analyst	: UY
Date sampled	: NA	Supervisor	: PG
Date analyzed	: 01/09/89	Date released	: 01/23/89
Dilut. factor	: NONE	Instrument ID	: F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	95%
2037-26-5	Toluene-d8	83-118%	98%
460-00-4	p-Bromofluorobenzene	88-118%	94%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : WATER
Date sampled : NA
Date analyzed: 01/20/89
Dilut. factor: NONE

Anametrix I.D. : 3CB0120V00
Analyst : UH
Supervisor : PG
Date released : 01/23/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	80-120%	90%
2037-26-5	Toluene-d8	83-118%	98%
460-00-4	p-Bromofluorobenzene	88-118%	97%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : WATER
Date sampled : NA
Date analyzed: 01/09/89
Dilution : NONE

Anametrix I.D. : 10B0109H01
Analyst : [illegible]
Supervisor : [illegible]
Date released : 01/23/89
Instrument ID : HP10

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
75-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
	% Surrogate Recovery	51-136%	99%

ND : Not detected at or above the practical quantitation limit for the method.
* A 601/8010 approved compound (Federal Register, 10/26/84).
\# A compound added by Anametrix, Inc.

CLP VOLATILE MATRIX SPIKE REPORT -- EPA METHOD 624
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 18954 8901JC05
Matrix : WATER
Date sampled : 01-04-89
Date analyzed : 01-09-89

Anametrix I.D. : 8901031-01
Analyst : LM
Supervisor : PG
Date released : 01-23-89
Instrument I.D.: F3

COMPOUND	SPIKE AMT. (UG/L)	8901031 MS (UG/L)	%REC MS	8901031 MSD (UG/L)	%REC MSD	RPD	%REC LIMITS*
1,1-DICHLOROETHENE	50	49	98%	46	92%	6%	60-156%
BENZENE	50	46	92%	45	90%	2%	78-138%
TRICHLOROETHENE	50	42	84%	41	82%	2%	64-126%
TOLUENE	50	43	86%	43	86%	0%	82-128%
CHLOROBENZENE	50	50	100%	49	98%	2%	86-128%

* Limits established by Anametrix, Inc.

Appendix B

QC DATA REPORTS AND SAMPLE CHROMATOGRAMS
(Part I)

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	
P.O.Box 578	Method (units):	EPA 8240 (ug/L purged)	Q.C. Sample Dates
Novato, CA 94948	Analyst:	J. Schwarz	
Attention: Bob Breynaert	QC Sample #:	901-0423	Analyzed: 1/16/89
	QC Sample Group:	9010419-9010533	Reported: 1/19/89

QUALITY CONTROL DATA REPORT

Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	% Recovery	Conc. Matrix Spike Duplicate	% Recovery	Relative % Deviation
1,1-Dichloro-ethene	N.D.	50	46	92	46	92	0
Trichloroethene	N.D.	50	46	92	45	90	1.1
Chlorobenzene	N.D.	50	49	98	50	100	1
Toluene	N.D.	50	50	100	50	100	0
Benzene	N.D.	50	51	102	49	98	2

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

9010531.HAN <18>

Volatile HSL Compounds

(1) EPA 8240

Case No: _____ Instrument I.D. F3

Laboratory Name Sequoia Analytical Calibration Date: 1-12-89

Minimum $\overline{RF}$ for SPCC is 0.300 (0.25 for Bromoform) Maximum % RSD for CCC is 30%

Laboratory ID	VSTD 011289A	VSTD 011289	VSTD 011289B	VSTD 011289C	VSTD 011289D			
Compound	RF_{20}	RF_{50}	RF_{100}	RF_{150}	RF_{200}	$\overline{RF}$	% RSD	CCC* SPCC**
Chloromethane	0.939	0.892	0.886	0.962	0.959	0.928	3.9	**
Bromomethane	1.254	1.297	1.283	1.337	1.351	1.304	3.0	
Vinyl Chloride	1.142	1.159	1.148	1.219	1.272	1.188	4.7	*
Chloroethane	0.759	0.800	0.780	0.829	0.844	0.802	4.3	
Methylene Chloride	1.852	1.931	1.960	2.026	2.048	1.963	4.0	
Acetone	0.256	0.238	0.220	0.213	0.194	0.224	11	
Carbon Disulfide	3.536	3.794	3.740	3.933	3.887	3.906	4.0	
1, 1-Dichloroethene	1.773	1.882	1.824	1.935	2.026	1.888	5.2	*
1, 1-Dichloroethane	2.232	2.380	2.429	2.491	2.557	2.418	5.1	**
Trans-1, 2-Dichloroethene	1.672	1.781	1.836	1.814	1.951	1.823	5.7	
Chloroform	2.207	2.335	2.345	2.459	2.506	2.376	4.8	*
1, 2-Dichloroethane	1.049	1.099	1.124	1.154	1.165	1.118	4.2	
2-Butanone	0.124	0.119	0.100	0.104	0.099	0.110	10	
1, 1, 1-Trichloroethane	0.110	0.173	0.174	0.181	0.189	0.175	6.1	
Carbon Tetrachloride	0.220	0.248	0.263	0.305	0.319	0.271	15	
Vinyl Acetate	0.026	0.070	0.116	0.230	0.232	0.135	69	
Bromodichloromethane	0.401	0.452	0.444	0.528	0.543	0.480	12	
1, 2-Dichloropropane	0.401	0.437	0.433	0.456	0.418	0.439	5.8	*
Trans-1, 3-Dichloropropene	0.557	0.637	0.642	0.702	0.720	0.652	9.8	
Trichloroethene	0.412	0.444	0.484	0.500	0.520	0.472	9.3	
Dibromochloromethane	0.345	0.411	0.440	0.509	0.524	0.446	16	
1, 1, 2-Trichloroethane	0.298	0.333	0.350	0.360	0.362	0.337	7.8	
Benzene	0.898	0.982	0.963	1.012	1.008	0.973	4.8	
cis-1, 3-Dichloropropene	0.214	0.256	0.241	0.307	0.321	0.273	16	
2-Chloroethylvinylether	0.103	0.118	0.133	0.166	0.170	0.138	21	
Bromoform	0.250	0.252	0.292	0.385	0.349	0.312	25	**
4-Methyl-2-Pentanone	0.251	0.261	0.249	0.264	0.246	0.254	3.2	
2-Hexanone	0.355	0.344	0.326	0.371	0.349	0.349	4.7	
Tetrachloroethene	0.769	0.829	0.861	0.951	0.813	0.837	8.9	
1, 1, 2, 2-Tetrachloroethane	0.452	0.515	0.569	0.679	0.644	0.580	18	**
Toluene	0.770	0.820	0.841	0.848	0.861	0.830	4.3	*
Chlorobenzene	1.057	1.128	1.171	1.168	1.164	1.129	3.9	**
Ethylbenzene	1.528	1.662	1.638	1.642	1.591	1.622	3.9	*
Styrene	0.874	0.969	0.989	0.941	1.001	0.962	5.3	
Total Xylenes	0.551	0.592	0.599	0.601	0.614	0.591	4.1	

RF - Response Factor (subscript is the amount of ug/L)
$\overline{RF}$ - Average Response Factor
%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*)
SPCC - System Performance Check Compounds (**)

METHOD BLANK SUMMARY

Date 1/13/89 - 1/17/89 **Laboratory Name** Sequoia Analytical

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (HSL, TIC OR UNKNOWN)	CONC.	UNITS	CRDL
VBLK011389	1-13-89	VOA	H_2O	L	F3		Acetone	3.6	ug/L	10
VBLK011689	1-16-89	VOA	H_2O	L	F3		Acetone	9.7	ug/L	10
VBLK011789	1-17-89	VOA	H_2O	L	F3		NONE DETECTED	-	ug/L	-

Comments:

FORM IV

WATER SURROGATE PERCENT RECOVERY SUMMARY

Date 1/13/89 - 1/17/89 **Laboratory Name** Sequoia Analytical

	VOLATILE			SEMI-VOLATILE								PESTICIDE
SAMPLE NO.	TOLUENE-D8 (88-110)	BFB (86-115)	1,2 DICHLORO-ETHANE-D4 (76-114)	NITRO-BENZENE-D5 (35-114)	2-FLUORO-BIPHENYL (43-116)	TERPHENYL-D14 (33-141)			PHENOL-D5 (10-94)	2-FLUORO-PHENOL (21-100)	2,4,6 TRIBROMO-PHENOL (10-123)	DIBUTYL-CHLORENDATE (24-154)
BLK011389	100	105	95									
9010419	103	101	98									
9010420	103	100	97									
BLK011689	101	105	96									
9010421	101	102	97									
9010422	102	106	98									
9010423	102	103	100									
9010423MS	100	101	99									
9010423SD	102	101	99									
9010424	101	104	101									
9010425	102	105	100									
9010426	101	101	100									
BLK011789	102	103	93									
9010427	106	101	89									
9010428	102	104	93									
9010531	104	104	96									
9010532	103	102	95									
9010533	103	102	94									

VALUES ARE OUTSIDE OF REQUIRED QC LIMITS

Volatiles: Ø out of 54 ; outside of QC limits

Semi-Volatiles: _____ out of _____ ; outside of QC limits

Pesticides: _____ out of _____ ; outside of QC limits

Comments: _____

GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

Case No. _____ Contractor Sequoia Contract No. _____

Instrument ID F3 Date 1-13-89 Time 08:35

Lab ID BFB011389 Data Release Authorized By: Wendy Amundsen

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	15.3
75	30.0 - 60.0% of the base peak	35.8
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	6.6
173	Less than 1.0% of the base peak	0.8
174	Greater than 50.0% of the base peak	81.6
175	5.0 - 9.0% of mass 174	6.8 (8.4)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	78.0 (95.6)[1]
177	5.0 - 9.0% of mass 176	5.7 (7.3)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1] Value in parenthesis is % mass 174.
[2] Value in parenthesis is % mass 176.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
DV011989A	VSTD011389	1-13-89	08:58
VOA Blank	VBLK011389	↓	09:56
021JC01	V9010419	↓	14:08
021JCD2	V9010420	↓	15:38

BROMOFLUOROBENZENE

Tuning Report
01/13/89 8:35:00 + 6:18
Instrument: FINN
#126 - #116
Base Number:

Data: BFB011389 # 126
Cali: CALTAB # 3
Analyst: JJS

Base m/z: 95
RIC: 42432.
Acct. No.: -

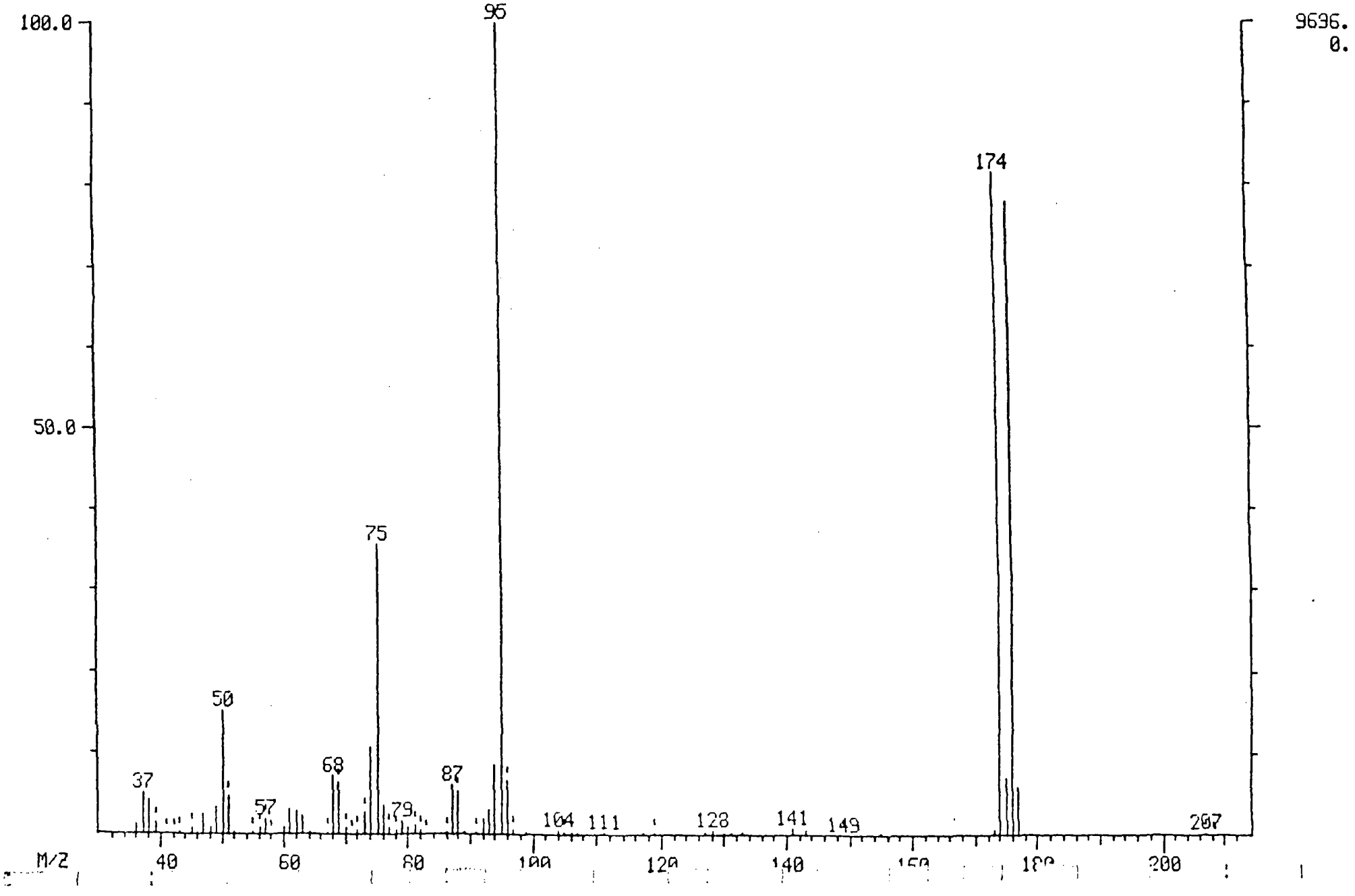
Laboratory: SEQUOIA LAB
Contract:

m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
50	1482.	15.3	15.0	40.0	95	15.3	PASS
75	3468.	35.8	30.0	60.0	95	35.8	PASS
95	9696.	100.0	100.0	---	---	100.0	PASS
96	636.	6.6	5.0	9.0	95	6.6	PASS
173	63.	0.6	---	2.0	174	0.8	PASS
174	7912.	81.6	50.0	---	95	81.6	PASS
175	661.	6.8	5.0	9.0	174	8.4	PASS
176	7560.	78.0	95.0	101.0	174	95.6	PASS
177	553.	5.7	5.0	9.0	176	7.3	PASS

MASS SPECTRUM
01/13/89 8:35:00 + 6:18
SAMPLE: BFB STD V121488A (50NG D.I.)
CONDS.: GC DESC BF
TEMP: 225 DEG. C
#126 - #116

DATA: BFB011389 #126
CALI: CALTAB #3

BASE M/Z: 95
RIC: 42432.



Mass List
01/13/89 8:35:00 + 6:18
Sample: BFB STD V121488A (SONG D. I.)
Conds.: GC DESC BF
#126 - #116

Data: BFB011389 # 126
Cali: CALTAB # 3

Base m/z: 95
RIC: 42432.

36 0.00 0.
208

Mass		% RA	Inten.
36?		1.10	107.
37?		4.85	470.
38?		4.19	406.
39?	S	1.52	147.
41?	S	0.12	12.
42?	S	0.11	11.
43?	S	0.21	20.
45?	S	0.70	68.
46?		0.20	19.
47?		2.38	231.
48?		0.80	78.
49?		3.34	324.
50?		15.28	1482.
51?	S	4.65	451.
52?		0.24	23.
55?	S	0.28	27.
56?	S	0.88	85.
57?	S	1.93	187.
58?	S	0.06	6.
60?		0.91	88.
61?		2.96	287.
62?		2.83	274.
63?		2.32	225.
64?		0.35	34.
67?	S	0.14	14.
68?		7.20	698.
69	S	6.47	627.
70	S	0.72	70.
71	S	0.02	2.
72	S	0.63	61.
73	S	2.90	281.
74		10.66	1034.
75		35.77	3468.
76		3.50	339.
77	S	0.75	73.
78	S	0.62	60.
79		1.57	152.
80		0.83	80.
81	S	1.08	105.
82	S	0.54	52.
83	S	0.02	2.
86	S	0.32	31.
87		5.99	581.
88	S	5.30	514.
89		0.15	15.
91	S	0.17	16.
92		1.92	186.
93		3.07	298.
94		8.46	820.
95	S	100.00	9696.

Minima Maxima Min Inten: 0.

Mass	#	% RA	Inten.
96	S	6.56	636.
97	S	0.42	41.
99		0.30	29.
104		0.55	53.
105	S	0.21	20.
106		0.37	36.
107		0.20	19.
111	S	0.18	17.
117		0.40	39.
119	S	0.37	36.
127		0.20	19.
128		0.59	57.
130		0.17	16.
131		0.18	17.
133		0.20	19.
141		0.72	70.
143		0.68	66.
149	S	0.06	6.
155		0.32	31.
173		0.65	63.
174		81.60	7912.
175		6.82	661.
176		77.97	7560.
177		5.70	553.
207	S	0.32	31.
208	S	0.10	10.

Continuing Calibration Check
Volatile HSL Compounds

Case No: _____

Laboratory Name: Sequoia Analytical

Contract No: _____

Instrument ID: F3

Calibration Date: 1-13-89

Time: 08:58

Laboratory ID: VSTD011389

Initial Calibration Date: 01-12-89

Minimum RF for SPCC is 0.300 (0.25 for Bromoform)

Maximum %D for CCC is 30%

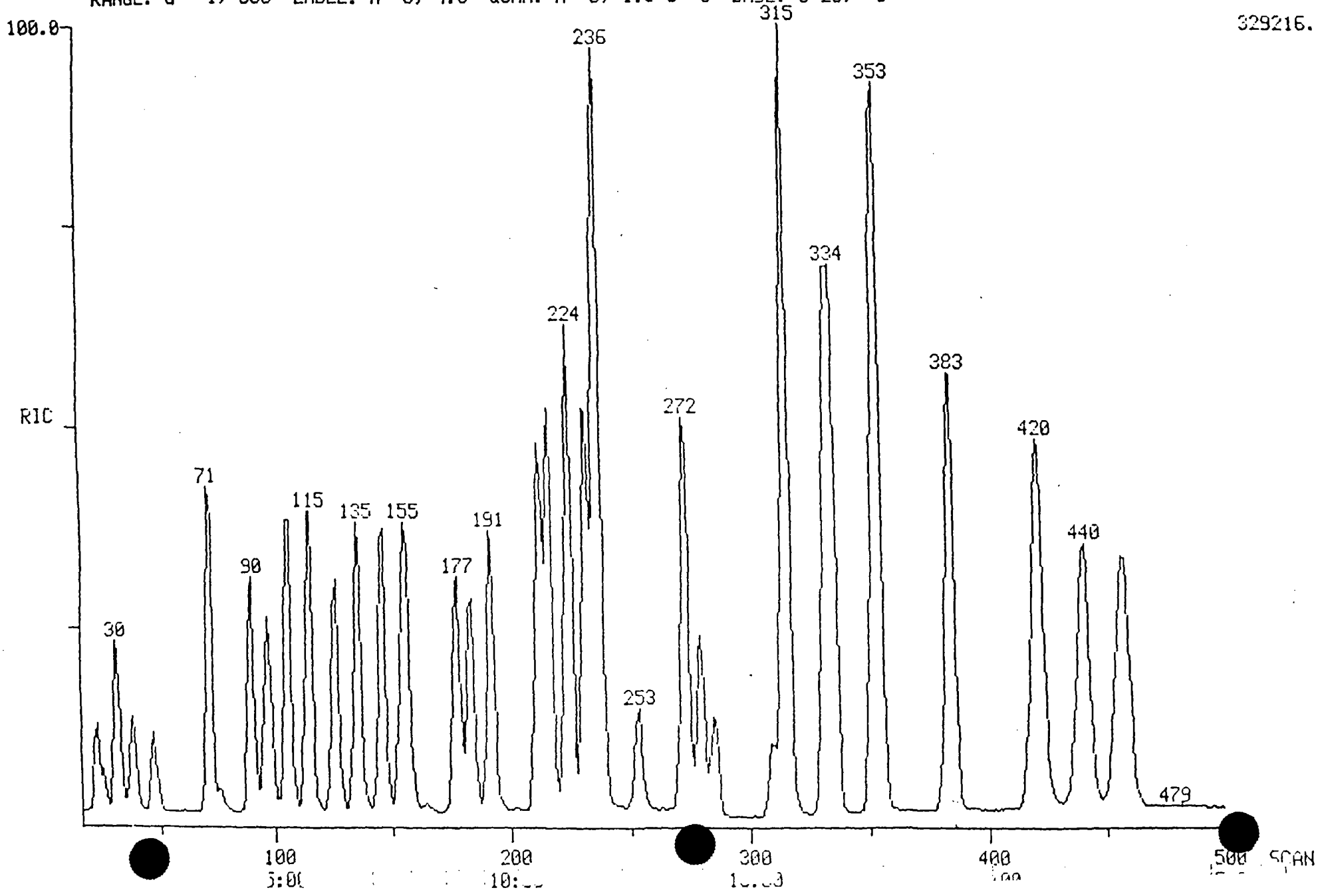
Compound	RF	RF_{50}	%D	CCC	SPCC
Chloromethane	0.928	0.948	–		••
Bromomethane	1.304	1.292	-0.9		
Vinyl Chloride	1.188	1.164	-2.0	•	
Chloroethane	0.802	0.774	-3.5		
Methylene Chloride	1.963	1.908	-2.8		
Acetone	0.224	0.225	+0.4		
Carbon Disulfide	3.776	3.706	-1.8		
1,1-Dichloroethene	1.888	1.848	-2.1	•	
1,1-Dichloroethane	2.418	2.348	–		••
Trans-1,2-Dichloroethene	1.823	1.769	-3.0		
Chloroform	2.376	2.318	-2.4	•	
1,2-Dichloroethane	1.118	1.068	-4.5		
2-Butanone	0.110	0.105	-4.5		
1,1,1-Trichloroethane	0.175	0.186	+6.3		
Carbon Tetrachloride	0.271	0.299	+10		
Vinyl Acetate	0.135	0.102	-24		
Bromodichloromethane	0.480	0.510	+6.2		
1,2-Dichloropropane	0.439	0.464	+5.7	•	
Trans-1,3-Dichloropropene	0.652	0.677	+3.8		
Trichloroethene	0.493	0.525	+6.5		
Dibromochloromethane	0.446	0.498	+11.2		
1,1,2-Trichloroethane	0.337	0.342	+1.5		
Benzene	0.973	1.029	+5.7		
cis-1,3-Dichloropropene	0.273	0.275	+0.7		
2-Chloroethylvinylether	0.138	0.125	-9.4		
Bromoform	0.312	0.298	–		••
4-Methyl-2-Pentanone	0.254	0.221	-13		
2-Hexanone	0.349	0.294	-16		
Tetrachloroethene	0.837	0.811	-3.1		
1,1,2,2-Tetrachloroethane	0.580	0.525	–		••
Toluene	0.830	0.802	-3.4	•	
Chlorobenzene	1.124	1.103	–		••
Ethylbenzene	1.623	1.620	-0.2	•	
Styrene	0.963	0.922	-4.3		
Total Xylenes	0.591	0.555	-6.1		

RF_{50} - Response Factor from daily standard file at 50 ug/l
RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (•)
SPCC - System Performance Check Compounds (••)

RIC
01/13/89 8:58:00
SAMPLE: HSL STD V010989A (50UG/L)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VSTD011389 #1 SCANS 15 TO 500
CALI: VSTD011389 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 9:30:5
DATA FILE: VSTD011389
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	36	VSTDS/VSURR
3	3	1	0	7	7	1	101	VSTDS/V1
3	3	1	0	11	11	16	45	VSTDS/V2
3	3	1	0	11	11	32	0	VSTDS/V3
3	3	1	0	11	11	4	31	VSTDS/V4
3	3	1	0	12	11	4	37	VSTDS/V5

43 COMPOUNDS PROCESSED, 42 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PEAK
1	VV	1	115	114	114	.	1	993	.	128	114	.
2	VV	2	273	272	272	.	1	998	.	114	272	.
3	VV	3	353	352	352	.	1	991	.	117	352	.
4	VV	4	156	155	155	.	1	969	.	65	155	.
5	VV	5	333	332	332	.	1	998	.	98	332	.
6	VV	6	422	421	420	-1	1	988	.	95	420	.
7	VV	7	22	21	22	1	1	979	.	50	22	.
8	VV	8	32	31	30	-1	1	992	.	94	30	.
9	VV	9	-37	36	38	2	1	973	.	62	38	.
10	VV	10	48	47	47	.	1	993	.	64	47	.
11	VV	11	73	72	71	-1	1	996	.	49	71	.
12	VV	12	77	76	76	.	4	993	.	43	76	.
13	VV	13	92	91	90	-1	1	1000	.	76	90	.
14	VV	14	99	98	97	-1	1	996	.	101	97	.
15	VV	15	107	106	106	.	1	991	.	61	106	.
16	VV	16	127	126	126	.	2	995	.	63	126	.
17	VV	17	136	135	135	.	1	996	.	61	135	.
18	VV	18	147	146	146	.	2	1000	.	83	146	.
19	VV	19	157	156	156	.	1	978	.	62	156	.
20	VV	20	155	154	154	.	2	994	.	43	154	.
21	VV	21	178	177	177	.	1	998	.	61	177	.
22	VV	22	183	182	182	.	2	999	.	117	182	.
23	VV	23	184	183	183	.	4	921	.	43	183	.
24	VV	24	192	191	191	.	1	997	.	83	191	.
25	VV	25	213	212	212	.	1	982	.	63	212	.
26	VV	26	217	216	216	.	2	993	.	75	216	.
27	VV	27	225	224	224	.	1	993	.	130	224	.
28	VV	28	232	231	231	.	1	995	.	78	231	.
29	VV	29	237	236	236	.	1	997	.	129	236	.
30	VV	30	237	236	236	.	2	999	.	75	236	.
31	VV	31	238	237	237	.	1	991	.	83	237	.
32	VV	32	254	253	253	.	1	986	.	63	253	.
33	VV	33	280	279	279	.	1	997	.	173	279	.
34	VV	34	286	285	284	-1	2	1000	.	43	285	1
35	VV	35	310	309	309	.	2	1000	.	43	309	.
36	VV	36	316	315	315	.	1	998	.	166	314	-1
37	VV	37	316	315	315	.	1	986	.	83	315	.
38	VV	38	336	335	335	.	1	997	.	92	335	.
39	VV	39	354	353	353	.	2	996	.	112	353	.
40	VV	40	385	384	383	-1	1	998	.	91	383	.
41	VV	41	441	440	440	.	1	997	.	104	440	.
42	VV	42	458	457	456	-1	1	998	.	106	456	.
43	VV	43	-254	253	.	.	.	.	.	109	253	.

Quantitation Report File: VSTD011389

Data: VSTD011389.TI
01/13/89 8:58:00
Sample: HSL STD V010989A (50UG/L)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
[illegible]	DIBROMOCHLOROMETHANE
[illegible]	CIS-2,3-DICHLOROPROPENE
31	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

Quantitation Report File: VSTD011389

Data: VSTD011389.TI
01/13/89 8:58:00
Sample: HSL STD V010989A (50UG/L)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
29	DIBROMOCHLOROMETHANE
30	CIS-2,3-DICHLOROPROPENE
31	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

Quantitation Report File: V9010419

Data: V9010419.TI
01/13/89 14:08:00
Sample: 8901JC01 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 10.000
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE

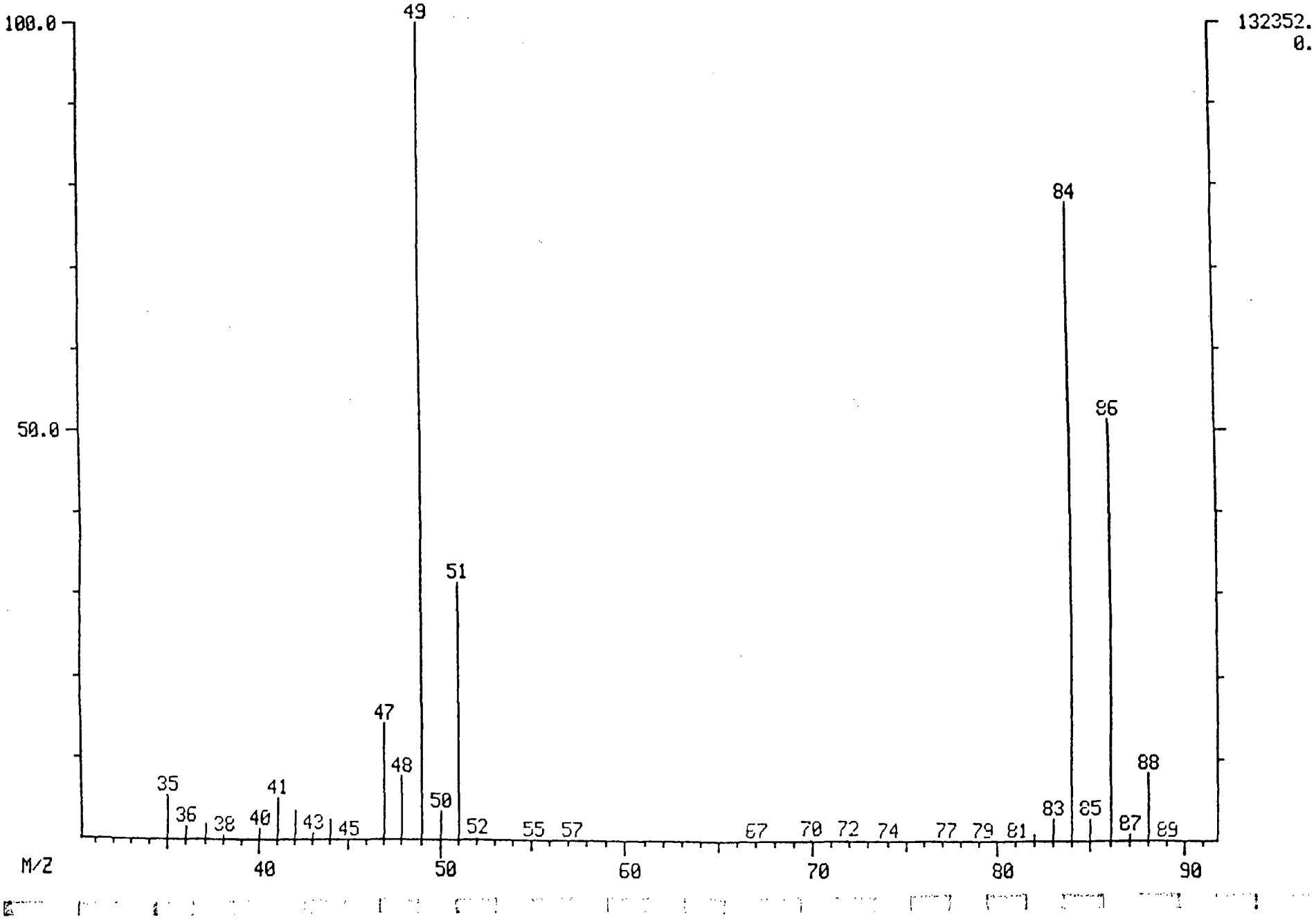
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	60146.	500.000	UG/L	7.70
2	114	273	13:39	2	1.000	A BB	260858.	500.000	UG/L	7.70
3	117	352	17:36	3	1.000	A BB	193496.	500.000	UG/L	7.70
4	65	155	7:45	1	1.348	A BB	60055.	978.391	%	15.06
5	98	332	16:36	3	0.943	A BB	254840.	1031.950	%	15.89
6	95	421	21:03	3	1.196	A BB	174676.	1010.120	%	15.55
7	49	72	3:36	1	0.626	A BB	453289.	1975.290	UG/L	30.41

sample

MASS SPECTRUM
01/13/89 14:08:00 + 3:33
SAMPLE: 8901JC01 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 79 DEG. C

DATA: V9010419 #71
CALI: V9010419 #3

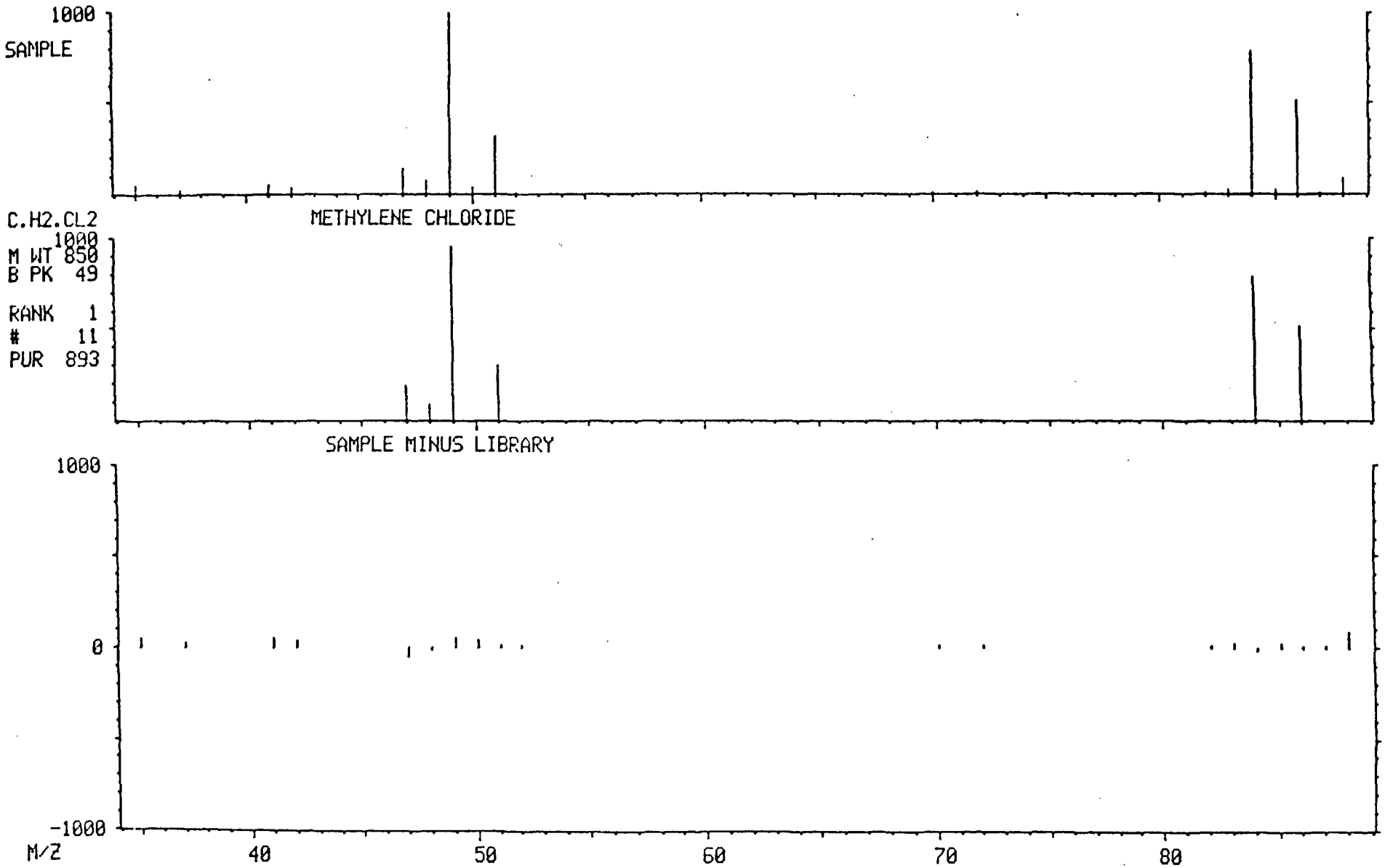
BASE M/Z: 49
RIC: 431104.



MID LIBRARY SEARCH (LIBRARYVV)
01/13/89 14:08:00 + 3:33
SAMPLE: 8901JC01 (500UL/5ML)
CONDS.: GC DESC VO
71 - # 65 - # 81

DATA: V9010419 # 71
CALI: V9010419 # 3

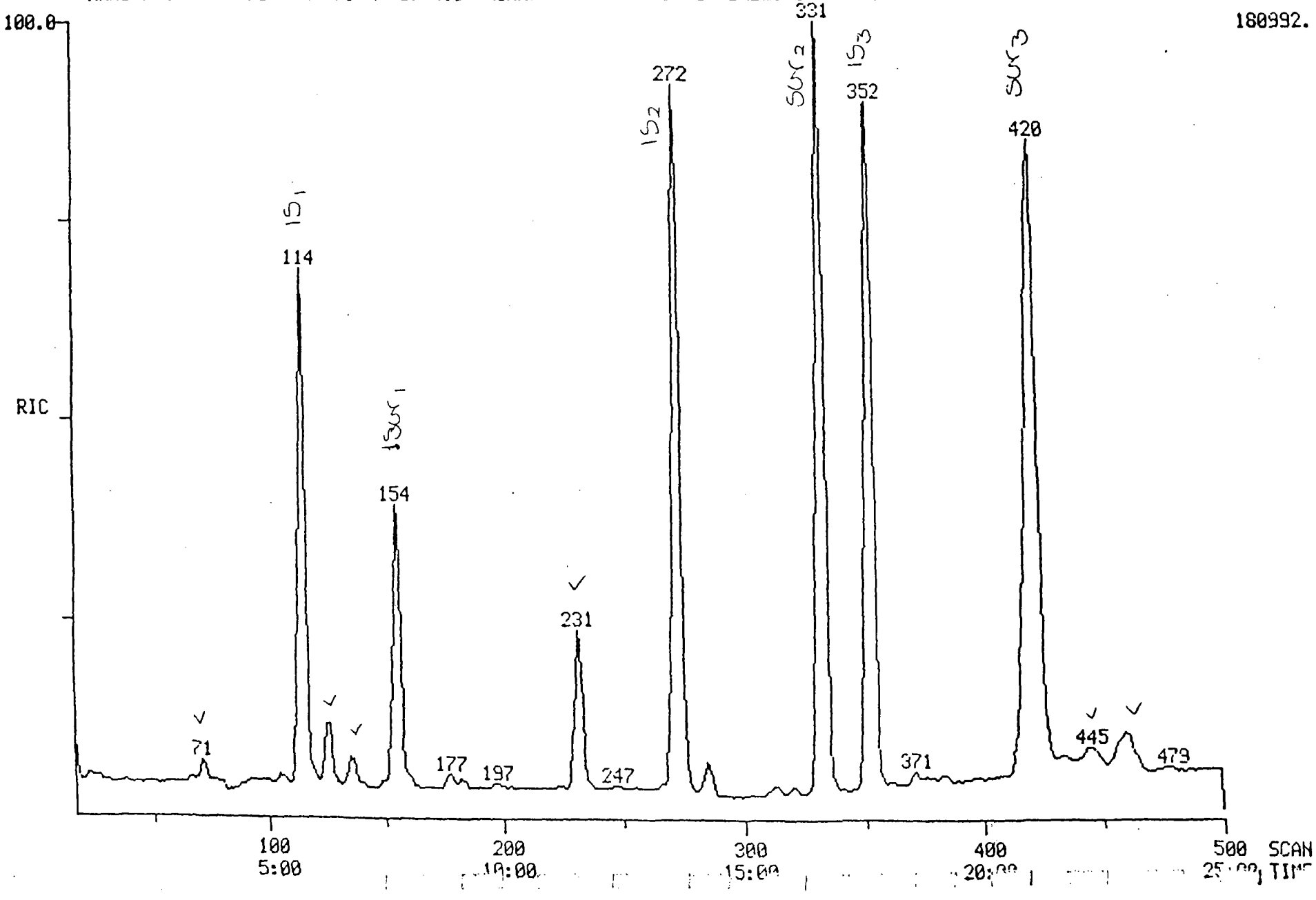
BASE M/Z: 49
RIC: 421376.



RIC
01/13/89 15:38:00
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010420 #2
CALI: V9010420 #3

SCANS 15 TO 500



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 16:46:1

DATA FILE: V9010420
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	53	6	6	2	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	8	3	55	VSTDS/V2
3	3	1	53	11	6	3	261	VSTDS/V3
3	3	1	53	11	6	4	41	VSTDS/V4
3	3	1	53	12	6	4	207	VSTDS/V5

43 COMPOUNDS PROCESSED, 20 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------ >		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PEAK
1	VV	1	115	114	114	.	1	992	.	128	114	.
2	VV	2	273	272	272	.	2	996	.	114	272	.
3	VV	3	353	351	351	.	1	992	.	117	351	.
4	VV	4	156	155	154	-1	1	976	.	65	154	.
5	VV	5	333	331	331	.	1	1000	.	98	331	.
6	VV	6	422	420	420	.	2	990	.	95	420	.
7	VV	7	22	21	.	.	.	.	.	50	22	.
8	VV	8	32	31	.	.	.	.	.	94	29	.
9	VV	9	-37	36	.	.	.	.	.	62	38	.
10	VV	10	48	47	.	.	.	.	.	64	.	.
11	VV	11	73	72	71	-1	1	994	.	49	71	.
12	VV	12	77	76	76	.	3	999	.	43	76	.
13	VV	13	92	91	.	.	.	.	.	76	90	.
14	VV	14	99	98	.	.	.	.	.	101	97	.
15	VV	15	107	106	105	-1	1	990	.	61	106	1
16	VV	16	127	126	126	.	1	1000	.	63	126	.
17	VV	17	136	135	135	.	1	993	.	61	135	.
18	VV	18	147	146	.	.	.	.	.	83	146	.
19	VV	19	157	155	.	.	.	.	.	62	155	.
20	VV	20	155	153	154	1	3	986	.	43	154	.
21	VV	21	178	176	176	.	1	987	.	61	176	.
22	VV	22	183	181	176	-5	1	920	.	117	176	.
23	VV	23	184	182	.	.	.	.	.	43	.	.
24	VV	24	192	190	.	.	.	.	.	83	.	.
25	VV	25	213	211	.	.	.	.	.	63	.	.
26	VV	26	217	215	.	.	.	.	.	75	.	.
27	VV	27	225	224	224	.	1	922	.	130	224	.
28	VV	28	232	231	231	.	1	997	.	78	231	.
29	VV	29	237	236	.	.	.	.	.	129	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.
31	VV	31	238	237	.	.	.	.	.	83	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.
34	VV	34	286	284	284	.	4	997	.	43	284	.
35	VV	35	310	309	313	4	2	894	.	43	313	.
36	VV	36	316	315	.	.	.	.	.	166	314	.
37	VV	37	316	315	.	.	.	.	.	83	316	.
38	VV	38	336	335	.	.	.	.	.	92	334	.
39	VV	39	354	353	.	.	.	.	.	112	353	.
40	VV	40	385	384	383	-1	1	932	.	91	383	.
41	VV	41	441	440	.	.	.	.	.	104	440	.
42	VV	42	458	457	457	.	2	982	.	106	457	.
43	VV	43	-254	253	.	.	.	.	.	109	.	.

Quantitation Report File: V9010420

Data: V9010420.TI
01/13/89 15:38:00
Sample: 8901JC02 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

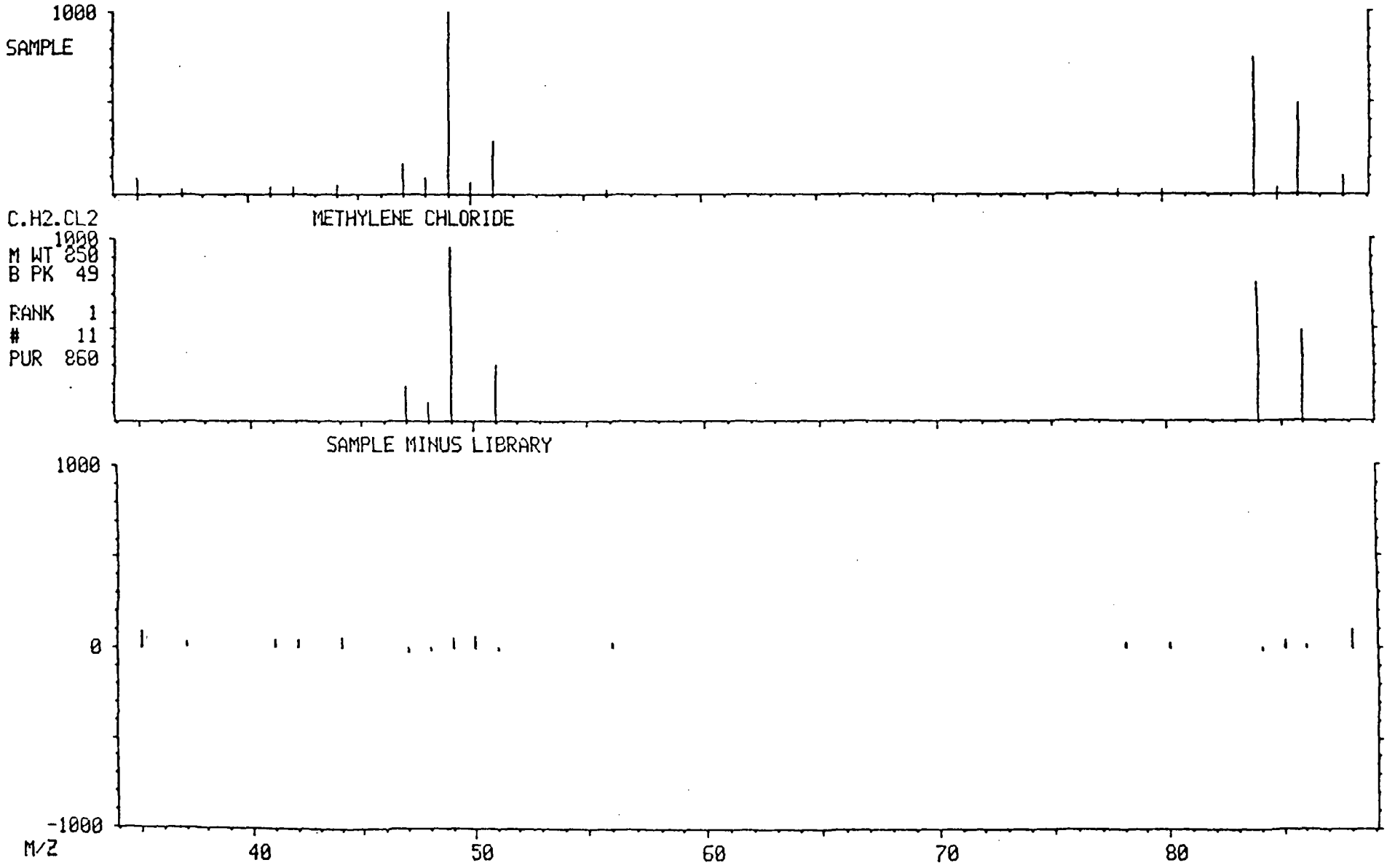
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHANE (**)
9	TOTAL 1,2-DICHLOROETHENE
10	BENZENE
11	TOTAL XYLENES

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	60705.	50.000	UG/L	10.47
2	114	272	13:36	2	1.000	A BB	262715.	50.000	UG/L	10.47
3	117	351	17:33	3	1.000	A BB	196348.	50.000	UG/L	10.47
4	65	154	7:42	1	1.351	A BB	60336.	97.391	%	20.39
5	98	331	16:33	3	0.943	A BB	258132.	103.010	%	21.57
6	95	420	21:00	3	1.197	A BB	175756.	100.160	%	20.97
7	49	71	3:33	1	0.623	A BB	4827.	2.084	UG/L	0.44
8	63	126	6:18	1	1.105	A BV	22395.	7.856	UG/L	1.64
9	61	135	6:45	1	1.184	A BB	6879.	3.203	UG/L	0.67
10	78	231	11:33	2	0.849	A BB	58836.	10.882	UG/L	2.28
11	106	457	22:51	3	1.302	M XX	6590.	3.026	UG/L	0.63

MID LIBRARY SEARCH (LIBRARYVV)
01/13/89 15:38:00 + 3:33
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
71 - # 64

DATA: V9010420 # 71
CALI: V9010420 # 3

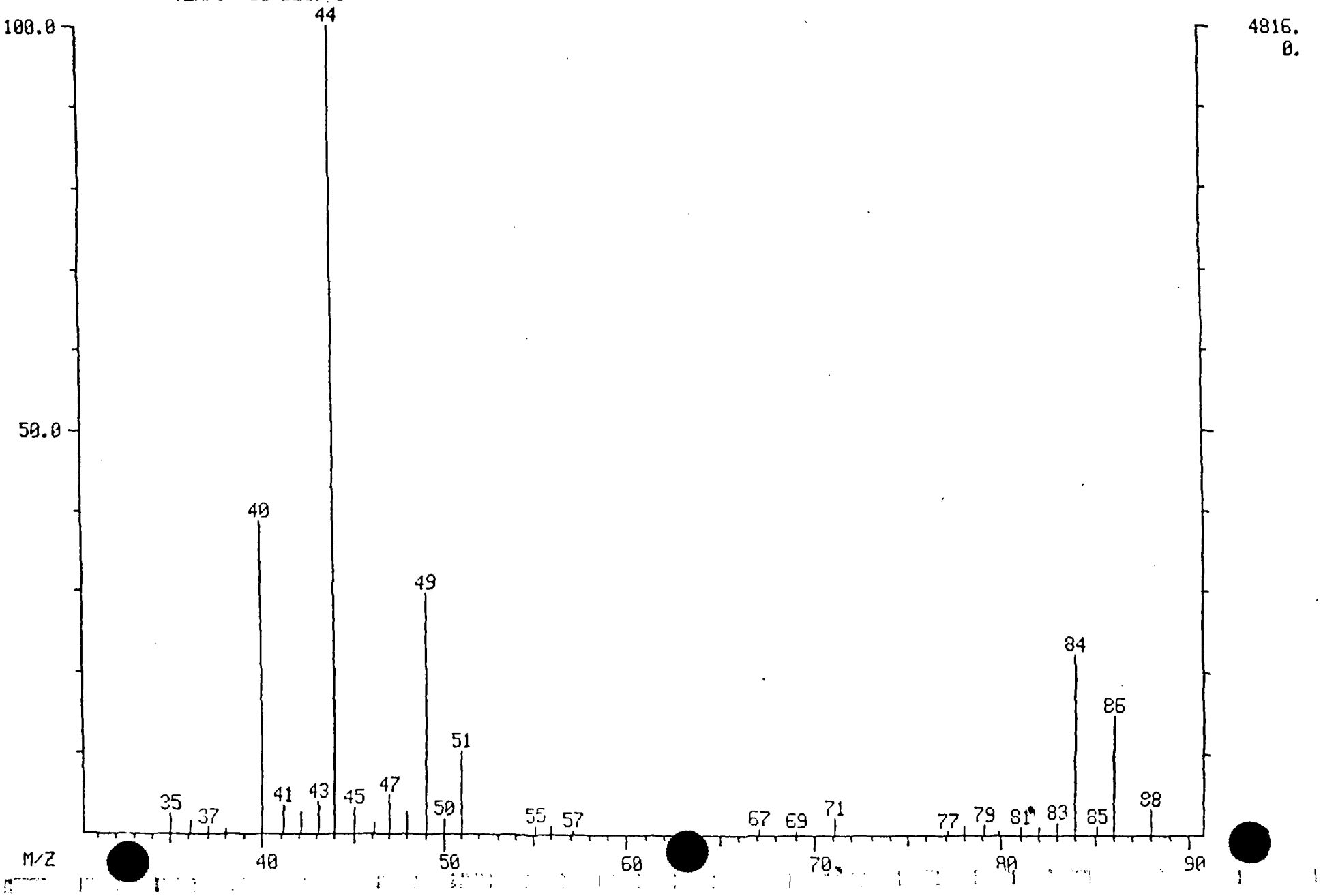
BASE M/Z: 49
RIC: 4752.



MASS SPECTRUM
01/13/89 15:38:00 + 3:33
SAMPLE: 8901JCO2 (5ML)
CONDS.: GC DESC VO
TEMP: 80 DEG. C

DATA: V9010420 #71
CALI: V9010420 #3

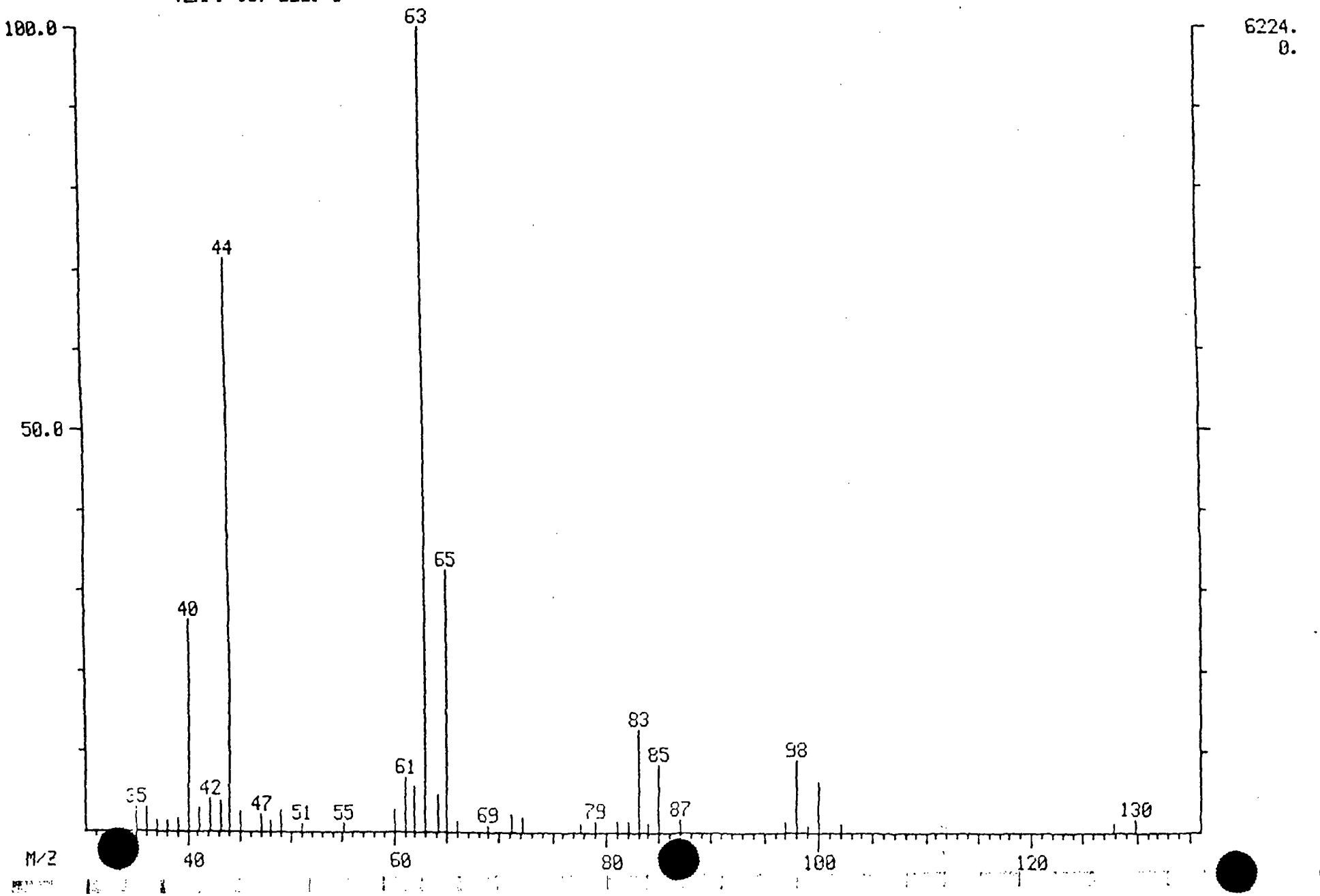
BASE M/Z: 44
RIC: 12720.



MASS SPECTRUM
01/13/89 15:38:00 + 6:15
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010420 #125
CALI: V9010420 #3

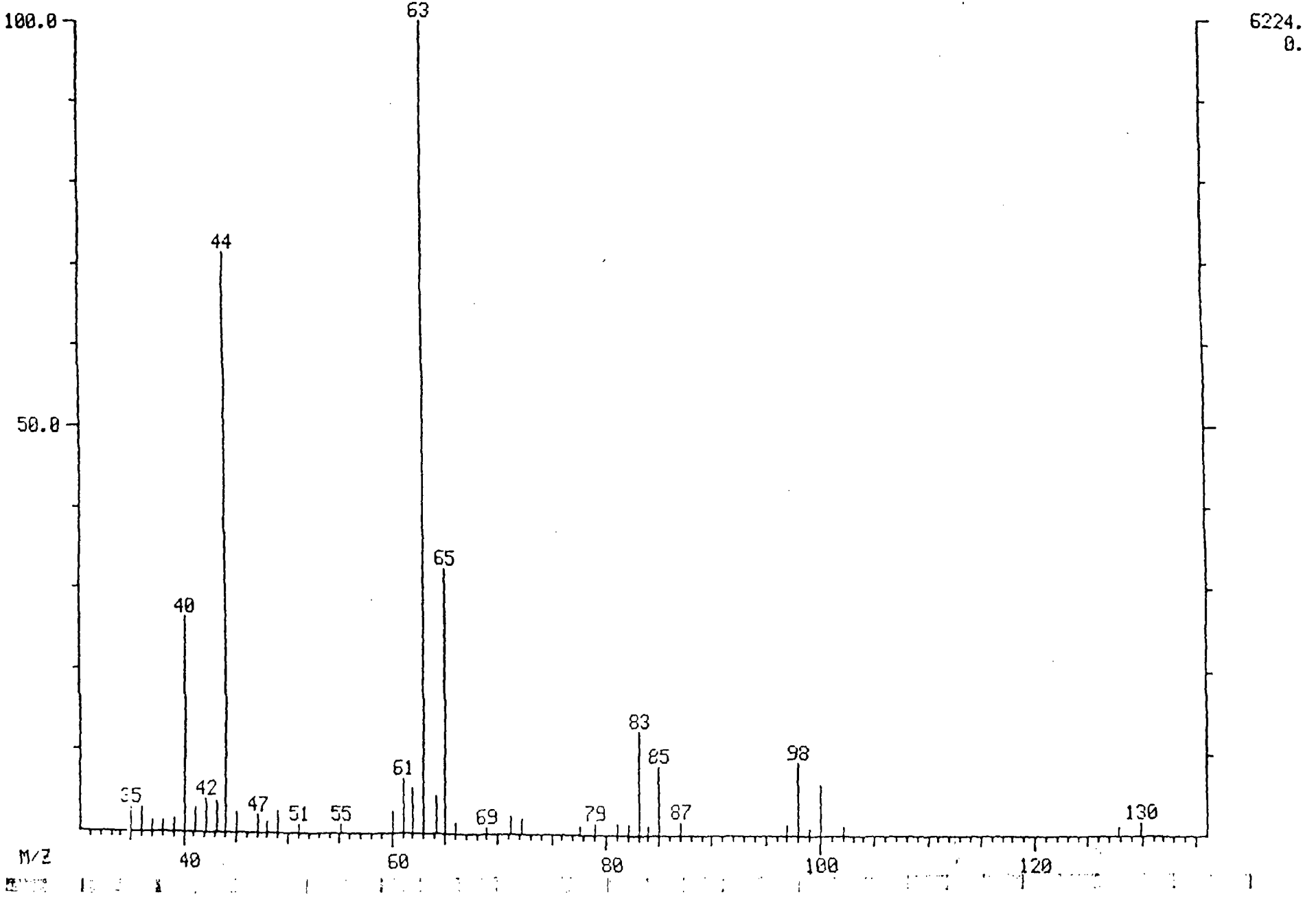
BASE M/Z: 63
RIC: 20960.



MASS SPECTRUM
01/13/89 15:38:00 + 6:15
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010420 #125
CALI: V9010420 #3

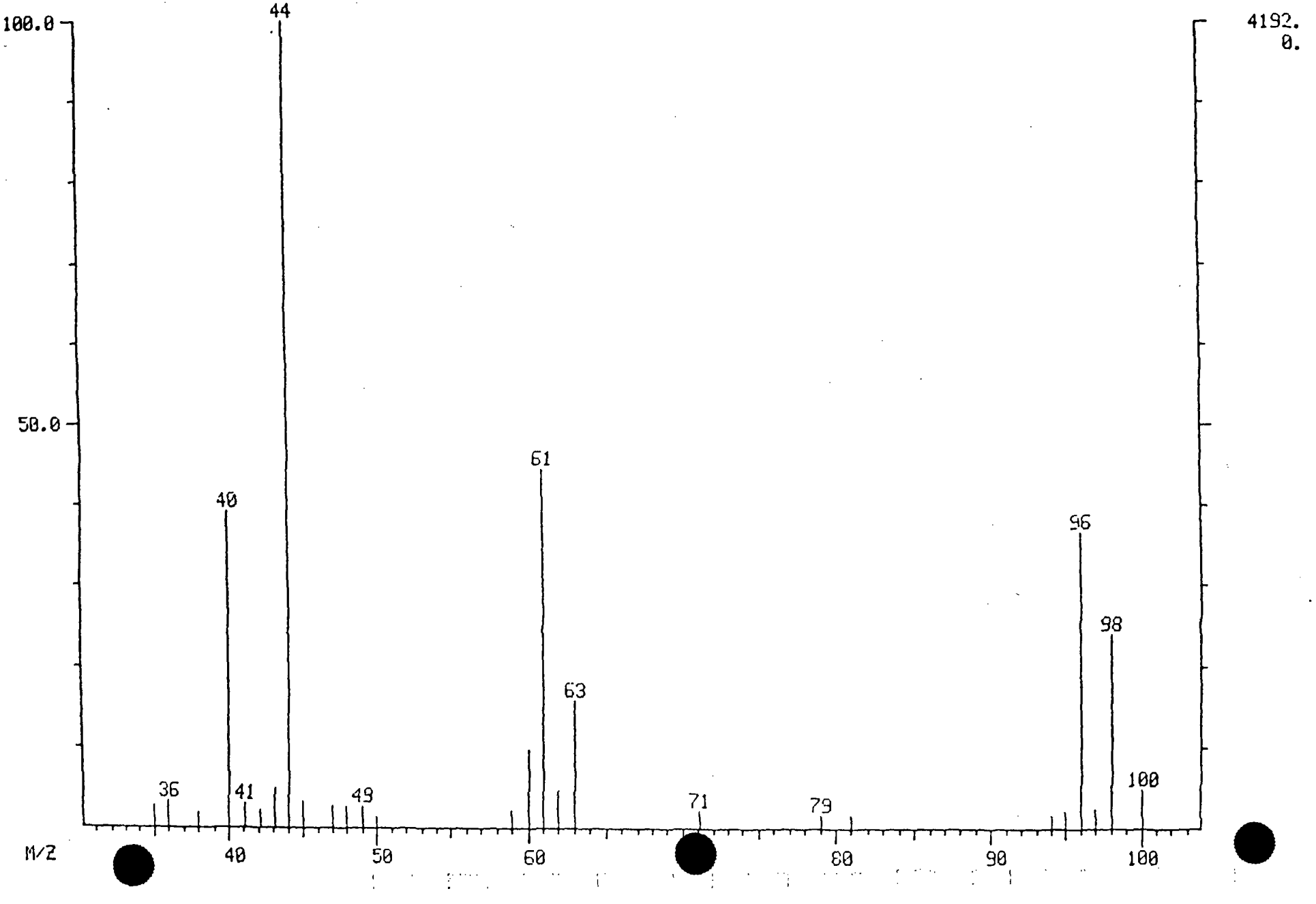
BASE M/Z: 63
RIC: 20960.



MASS SPECTRUM
01/13/89 15:38:00 + 6:45
SAMPLE: 8901JCO2 (5ML)
CONDS.: GC DESC VO
TEMP: 112 DEG. C

DATA: V9010420 #135
CALI: V9010420 #3

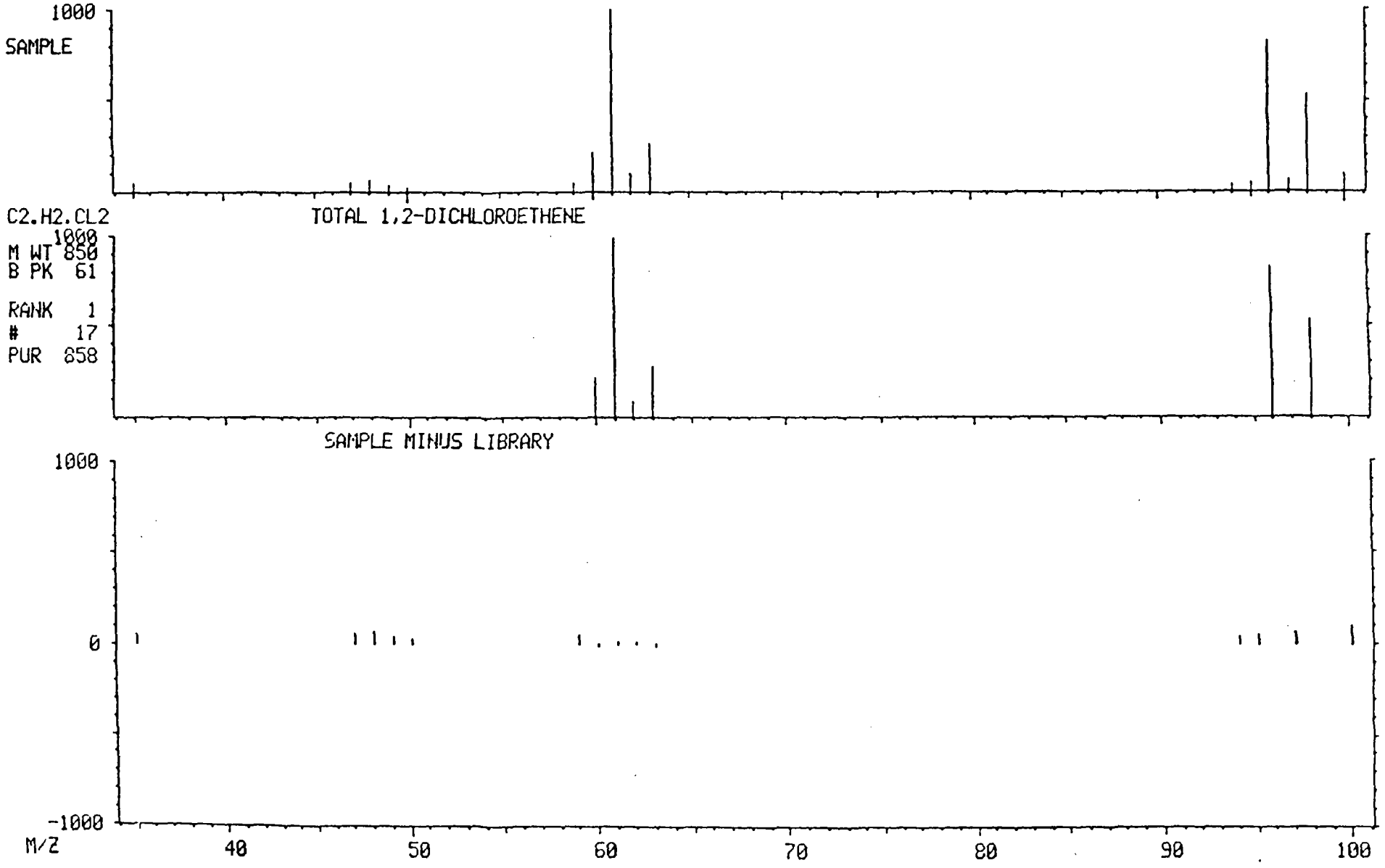
BASE M/Z: 44
RIC: 13536.



MID LIBRARY SEARCH (LIBRARYVV)
01/13/89 15:38:00 + 6:45
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
135 - # 129 - # 145

DATA: V9010420 # 135
CALI: V9010420 # 3

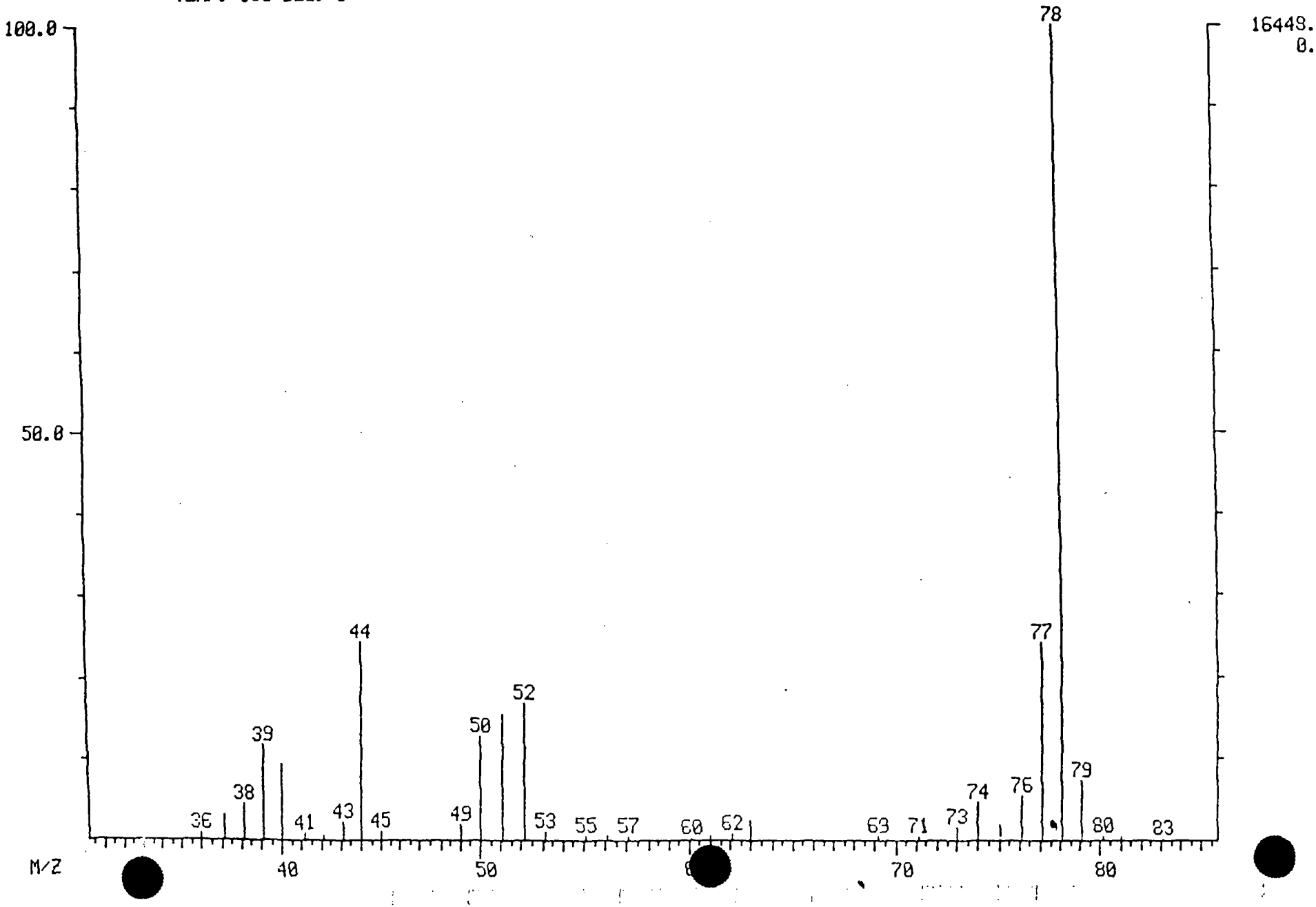
BASE M/Z: 61
RIC: 6424.



MASS SPECTRUM
01/13/89 15:38:00 + 11:33
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
TEMP: 160 DEG. C

DATA: V9010420 #231
CALI: V9010420 #3

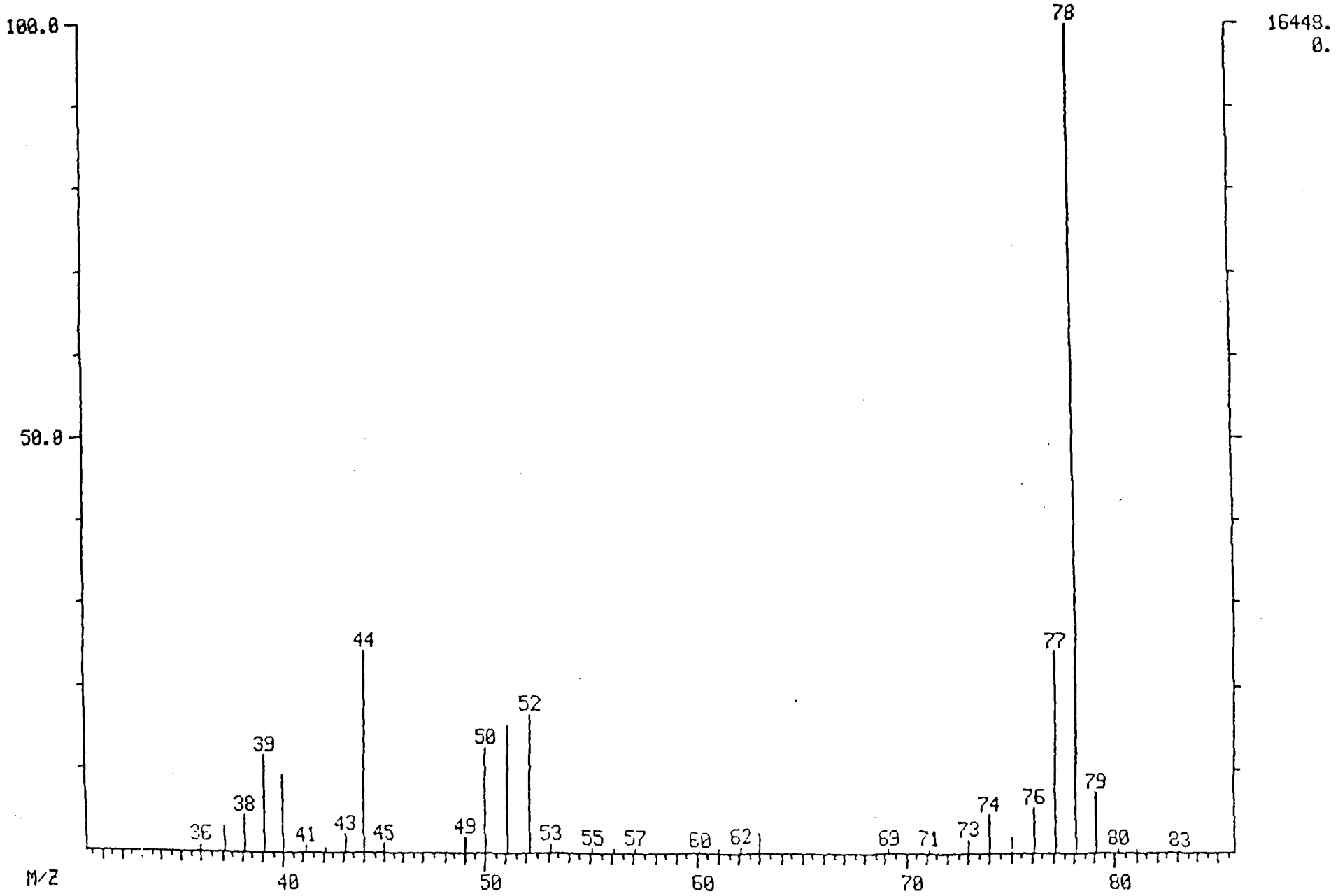
BASE M/Z: 78
RIC: 42432.



MASS SPECTRUM
01/13/89 15:38:00 + 11:33
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
TEMP: 160 DEG. C

DATA: V9010420 #231
CALI: V9010420 #3

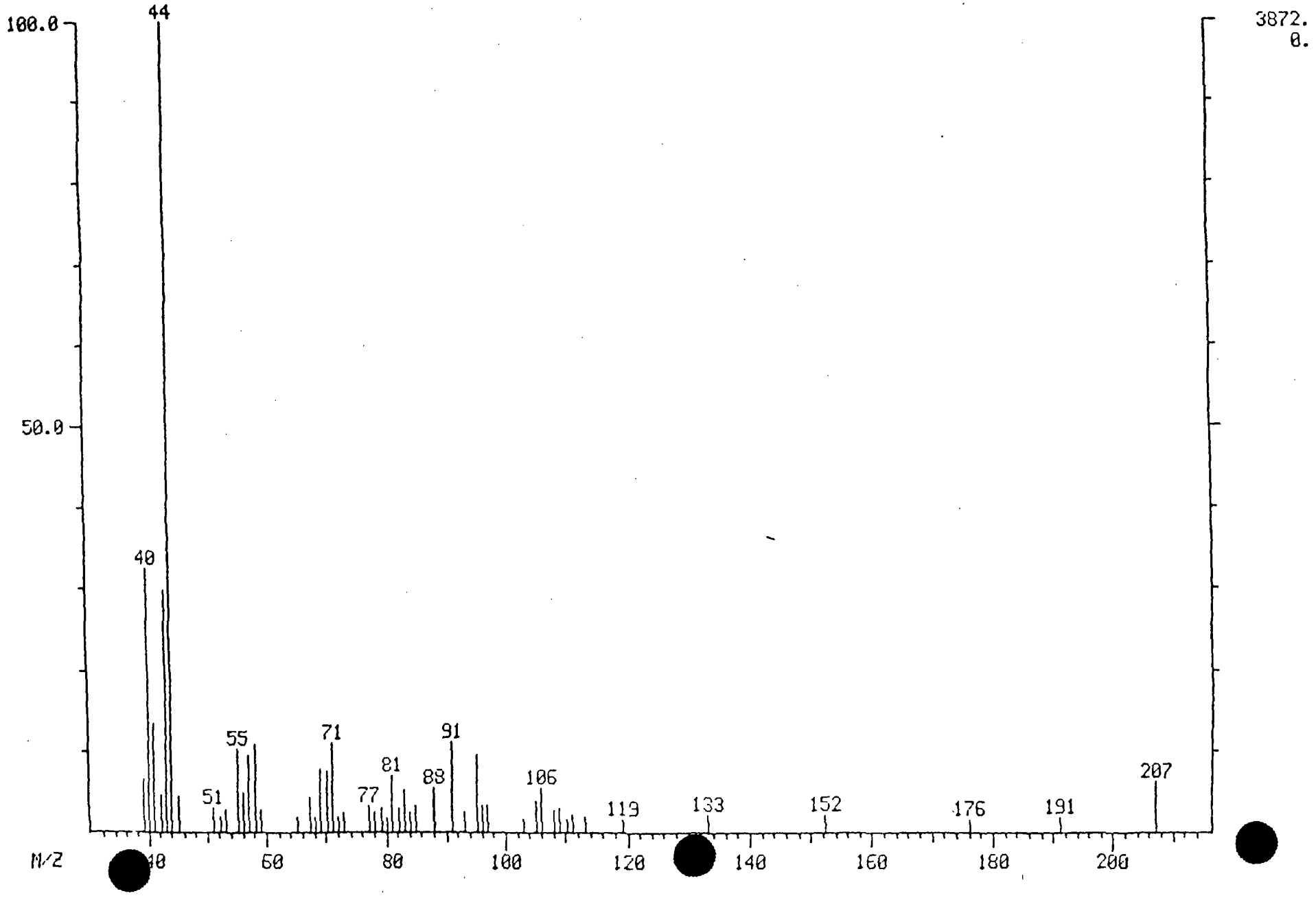
BASE M/Z: 78
RIC: 42432.



MASS SPECTRUM
01/13/89 15:38:00 + 22:09
SAMPLE: 8901JCO2 (5ML)
CONDS.: GC DESC VO
TEMP: 225 DEG. C

DATA: V9010420 #443
CALI: V9010420 #3

BASE M/Z: 44
RIC: 14704.



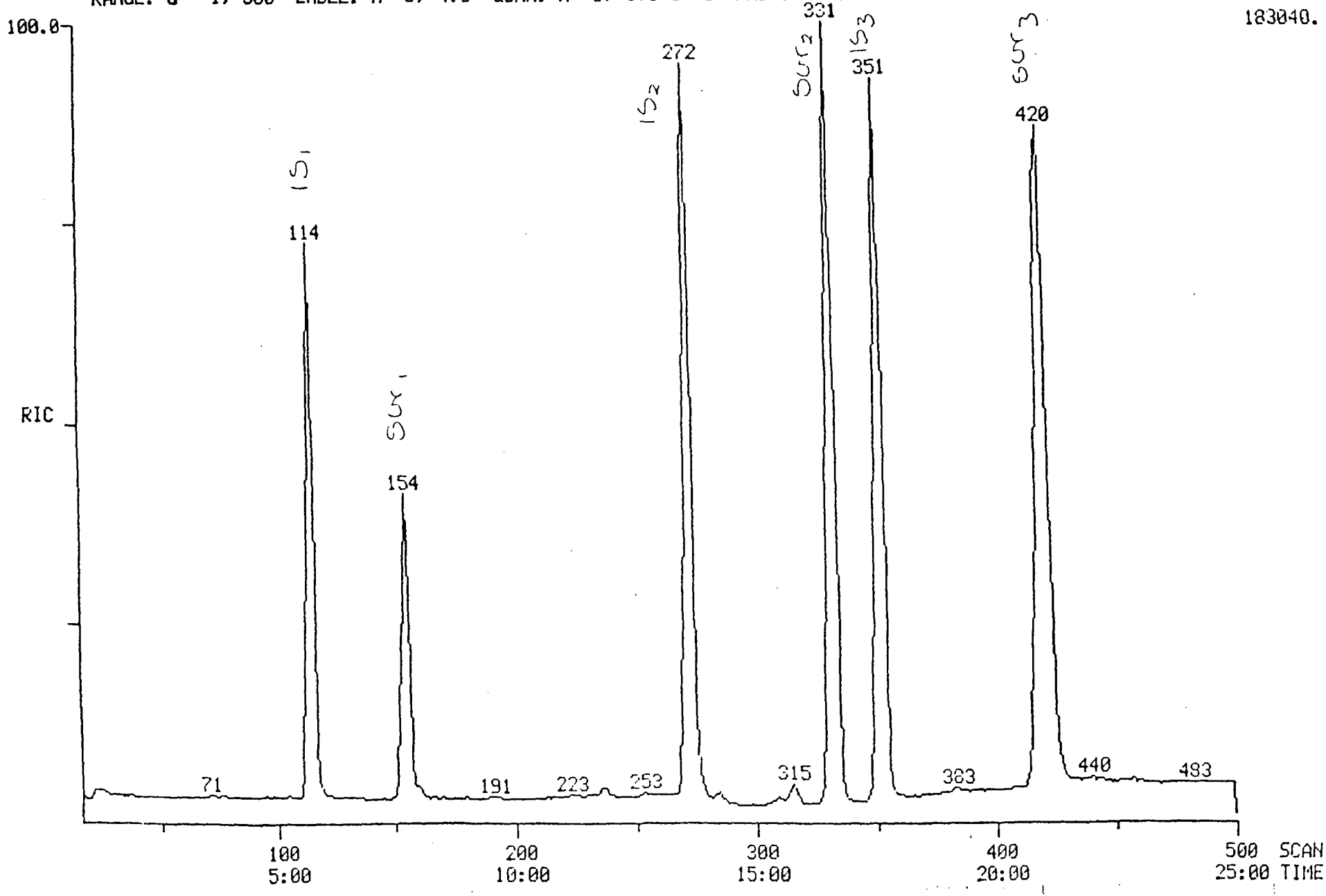
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	67745.	50.000	UG/L	2.17
2	114	272	13:36	2	1.000	A BB	271402.	50.000	UG/L	2.17
3	117	352	17:36	3	1.000	A BB	214763.	50.000	UG/L	2.17
4	65	155	7:45	1	1.360	A BB	69137.	100.000	%	4.35
5	98	332	16:36	3	0.943	A BB	274091.	100.000	%	4.35
6	95	420	21:00	3	1.193	A BB	191932.	100.000	%	4.35
7	50	22	1:06	1	0.193	A BB	64193.	50.000	UG/L	2.17
8	94	30	1:30	1	0.263	A BB	87497.	50.000	UG/L	2.17
9	62	38	1:54	1	0.333	A BV	78883.	50.000	UG/L	2.17
10	64	47	2:21	1	0.412	A VB	52455.	50.000	UG/L	2.17
11	49	71	3:33	1	0.623	A BB	129238.	50.000	UG/L	2.17
12	43	76	3:48	1	0.667	A BV	15229.	50.000	UG/L	2.17
13	76	90	4:30	1	0.789	A BB	251074.	50.000	UG/L	2.17
14	101	97	4:51	1	0.851	A BB	121045.	50.000	UG/L	2.17
15	61	106	5:18	1	0.930	A BB	125167.	50.000	UG/L	2.17
16	63	126	6:18	1	1.105	A BV	159059.	50.000	UG/L	2.17
17	61	135	6:45	1	1.184	A BB	119843.	50.000	UG/L	2.17
18	83	146	7:18	1	1.281	A BB	157022.	50.000	UG/L	2.17
19	62	156	7:48	1	1.368	A BB	72363.	50.000	UG/L	2.17
20	43	154	7:42	2	0.566	A BB	28490.	50.000	UG/L	2.17
21	61	177	8:51	2	0.651	A BB	50367.	50.000	UG/L	2.17
22	117	182	9:06	2	0.669	A VB	81134.	50.000	UG/L	2.17
23	43	183	9:09	2	0.673	A BB	27652.	50.000	UG/L	2.17
24	83	191	9:33	2	0.702	A BB	138511.	50.000	UG/L	2.17
25	63	212	10:36	2	0.779	A BV	126033.	50.000	UG/L	2.17
26	75	216	10:48	2	0.794	A BB	183717.	50.000	UG/L	2.17
27	130	224	11:12	2	0.824	A BV	142482.	50.000	UG/L	2.17
28	78	231	11:33	2	0.849	A BB	279267.	50.000	UG/L	2.17
29	129	236	11:48	2	0.868	A BB	129850.	50.000	UG/L	2.17
30	75	236	11:48	2	0.868	A BB	74628.	50.000	UG/L	2.17
31	83	237	11:51	2	0.871	A BB	92758.	50.000	UG/L	2.17
32	63	253	12:39	2	0.930	A BB	33949.	50.000	UG/L	2.17
33	173	279	13:57	2	1.026	A BB	80832.	50.000	UG/L	2.17
34	43	285	14:15	3	0.810	A BB	63158.	50.000	UG/L	2.17
35	43	309	15:27	3	0.878	A BB	47414.	50.000	UG/L	2.17
36	166	314	15:42	3	0.892	A BB	174196.	50.000	UG/L	2.17
37	83	315	15:45	3	0.895	A BB	112836.	50.000	UG/L	2.17
38	92	335	16:45	3	0.952	A BB	172178.	50.000	UG/L	2.17
39	112	353	17:39	3	1.003	A BB	236879.	50.000	UG/L	2.17
40	91	383	19:09	3	1.088	A BB	348010.	50.000	UG/L	2.17
41	104	440	22:00	3	1.250	A BB	197997.	50.000	UG/L	2.17
42	106	456	22:48	3	1.295	A BB	119105.	50.000	UG/L	2.17
43	109	253	12:39	2	0.930	A BB	215.	50.000	UG/L	2.17

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	5:42	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	13:36	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	17:36	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	7:45	1.00	1.360	1.00	100.00	100.00	0.510	0.510	1.00
5	16:36	1.00	0.943	1.00	100.00	100.00	0.638	0.638	1.00
6	21:00	1.00	1.193	1.00	100.00	100.00	0.447	0.447	1.00
7	1:06	1.00	0.193	1.00	50.00	50.00	0.948	0.948	1.00
8	1:30	1.00	0.263	1.00	50.00	50.00	1.292	1.292	1.00
9	1:54	1.00	0.333	1.00	50.00	50.00	1.164	1.164	1.00
10	2:21	1.00	0.412	1.00	50.00	50.00	0.774	0.774	1.00
11	3:33	1.00	0.623	1.00	50.00	50.00	1.908	1.908	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
12	3:48	1.00	0.667	1.00	50.00	50.00	0.225	0.225	1.00
13	4:30	1.00	0.789	1.00	50.00	50.00	3.706	3.706	1.00
14	4:51	1.00	0.851	1.00	50.00	50.00	1.787	1.787	1.00
15	5:18	1.00	0.930	1.00	50.00	50.00	1.848	1.848	1.00
16	6:18	1.00	1.105	1.00	50.00	50.00	2.348	2.348	1.00
17	6:45	1.00	1.184	1.00	50.00	50.00	1.769	1.769	1.00
18	7:18	1.00	1.281	1.00	50.00	50.00	2.318	2.318	1.00
19	7:48	1.00	1.368	1.00	50.00	50.00	1.068	1.068	1.00
20	7:42	1.00	0.566	1.00	50.00	50.00	0.105	0.105	1.00
21	8:51	1.00	0.651	1.00	50.00	50.00	0.186	0.186	1.00
22	9:06	1.00	0.669	1.00	50.00	50.00	0.299	0.299	1.00
23	9:09	1.00	0.673	1.00	50.00	50.00	0.102	0.102	1.00
24	9:33	1.00	0.702	1.00	50.00	50.00	0.510	0.510	1.00
25	10:36	1.00	0.779	1.00	50.00	50.00	0.464	0.464	1.00
26	10:48	1.00	0.794	1.00	50.00	50.00	0.677	0.677	1.00
27	11:12	1.00	0.824	1.00	50.00	50.00	0.525	0.525	1.00
28	11:33	1.00	0.849	1.00	50.00	50.00	1.029	1.029	1.00
29	11:48	1.00	0.868	1.00	50.00	50.00	0.478	0.478	1.00
30	11:48	1.00	0.868	1.00	50.00	50.00	0.275	0.275	1.00
31	11:51	1.00	0.871	1.00	50.00	50.00	0.342	0.342	1.00
32	12:39	1.00	0.930	1.00	50.00	50.00	0.125	0.125	1.00
33	13:57	1.00	1.026	1.00	50.00	50.00	0.298	0.298	1.00
34	14:15	1.00	0.810	1.00	50.00	50.00	0.294	0.294	1.00
35	15:27	1.00	0.878	1.00	50.00	50.00	0.221	0.221	1.00
36	15:42	1.00	0.892	1.00	50.00	50.00	0.811	0.811	1.00
37	15:45	1.00	0.895	1.00	50.00	50.00	0.525	0.525	1.00
38	16:45	1.00	0.952	1.00	50.00	50.00	0.802	0.802	1.00
39	17:39	1.00	1.003	1.00	50.00	50.00	1.103	1.103	1.00
40	19:09	1.00	1.088	1.00	50.00	50.00	1.620	1.620	1.00
41	22:00	1.00	1.250	1.00	50.00	50.00	0.922	0.922	1.00
42	22:48	1.00	1.295	1.00	50.00	50.00	0.555	0.555	1.00
43	12:39	1.00	0.930	1.00	50.00	50.00	0.001	0.001	1.00

RIC
01/13/89 9:56:00
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VBLK011389 #1 SCANS 15 TO 500
CALI: VBLK011389 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 10:35:44
DATA FILE: VBLK011389
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	6	3	61	VSTDS/V2
3	3	1	53	11	5	3	1003	VSTDS/V3
3	3	1	53	11	8	2	68	VSTDS/V4
3	3	1	53	12	9	5	40	VSTDS/V5

43 COMPOUNDS PROCESSED, 22 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	114	114	.	1	992	.	128	114	.	1
2	VV	2	273	272	272	.	1	999	.	114	272	.	1
3	VV	3	353	351	351	.	1	989	.	117	351	.	1
4	VV	4	156	155	154	-1	1	972	.	65	154	.	1
5	VV	5	333	331	331	.	1	1000	.	98	331	.	1
6	VV	6	422	420	420	.	1	990	.	95	420	.	1
7	VV	7	22	21	.	.	.	.	.	50	21	.	1
8	VV	8	32	31	.	.	.	.	.	94	30	.	1
9	VV	9	-37	36	.	.	.	.	.	62	37	.	1
10	VV	10	48	47	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	71	-1	1	980	.	49	71	.	1
12	VV	12	77	76	76	.	3	996	.	43	76	.	1
13	VV	13	92	91	.	.	.	.	.	76	90	.	1
14	VV	14	99	98	.	.	.	.	.	101	97	.	1
15	VV	15	107	106	105	-1	1	941	.	61	105	.	1
16	VV	16	127	126	.	.	.	.	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	135	.	1
18	VV	18	147	146	.	.	.	.	.	83	145	.	1
19	VV	19	157	163	.	.	.	.	.	62	.	.	.
20	VV	20	155	161	162	1	3	994	.	43	.	.	.
21	VV	21	178	183	.	.	.	.	.	61	.	.	.
22	VV	22	183	188	.	.	.	.	.	117	.	.	.
23	VV	23	184	189	.	.	.	.	.	43	.	.	.
24	VV	24	192	197	.	.	.	.	.	83	.	.	.
25	VV	25	213	218	.	.	.	.	.	63	.	.	.
26	VV	26	217	222	236	14	1	858	.	75	236	.	1
27	VV	27	225	224	224	.	1	923	.	130	224	.	1
28	VV	28	232	231	232	1	1	976	.	78	231	-1	1
29	VV	29	237	236	235	-1	1	962	.	129	235	.	1
30	VV	30	237	236	.	.	.	.	.	75	236	.	1
31	VV	31	238	237	237	.	1	970	.	83	236	-1	1
32	VV	32	254	253	.	.	.	.	.	63	253	.	1
33	VV	33	280	279	.	.	.	.	.	173	278	.	1
34	VV	34	286	285	284	-1	2	996	.	43	284	.	1
35	VV	35	310	309	309	.	5	998	.	43	309	.	1
36	VV	36	316	314	314	.	1	961	.	166	314	.	1
37	VV	37	316	314	315	1	1	992	.	83	315	.	1
38	VV	38	336	334	.	.	.	.	.	92	334	.	1
39	VV	39	354	352	.	.	.	.	.	112	353	.	1
40	VV	40	385	383	383	.	1	947	.	91	383	.	1
41	VV	41	441	439	439	.	1	920	.	104	439	.	1
42	VV	42	458	456	456	.	1	933	.	106	456	.	1
43	VV	43	-254	253	.	.	.	.	.	109	.	.	.

Quantitation Report File: VBLK011389

Data: VBLK011389.TI
01/13/89 9:56:00
Sample: VOA BLANK (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

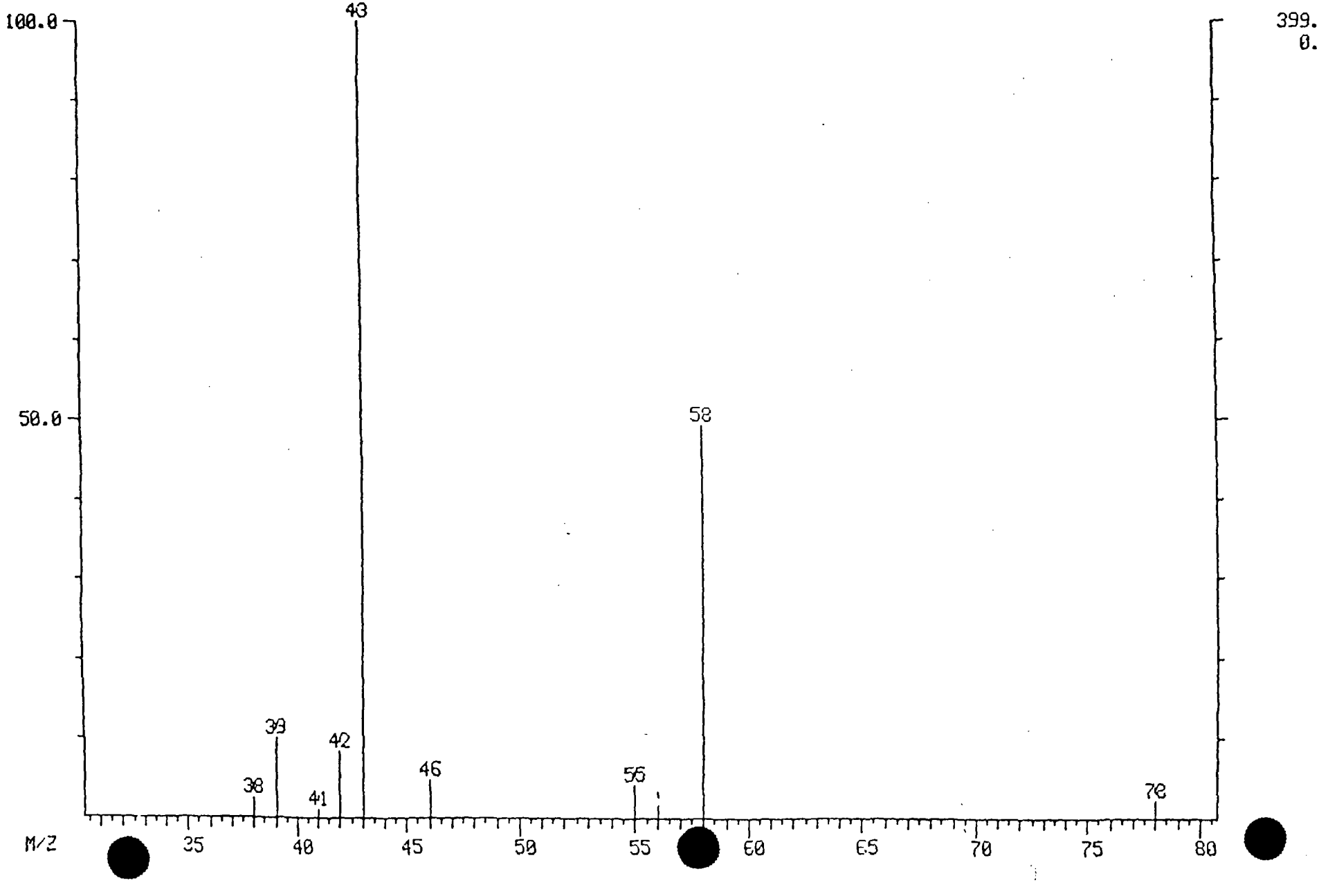
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	ACETONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	64739.	50.000	UG/L	11.03
2	114	272	13:36	2	1.000	A BB	277001.	50.000	UG/L	11.03
3	117	351	17:33	3	1.000	A BB	200180.	50.000	UG/L	11.03
4	65	154	7:42	1	1.351	A BB	62945.	95.272	%	21.03
5	98	331	16:33	3	0.943	A BB	254622.	99.664	%	21.99
6	95	420	21:00	3	1.197	A BB	187059.	104.561	%	23.07
7	43	76	3:48	1	0.667	A BB	1059.	3.638	UG/L	0.80

MASS SPECTRUM
01/13/89 9:56:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
TEMP: 82 DEG. C
#76 - #71 - #85

DATA: VBLK011389 #76
CALI: VBLK011389 #3

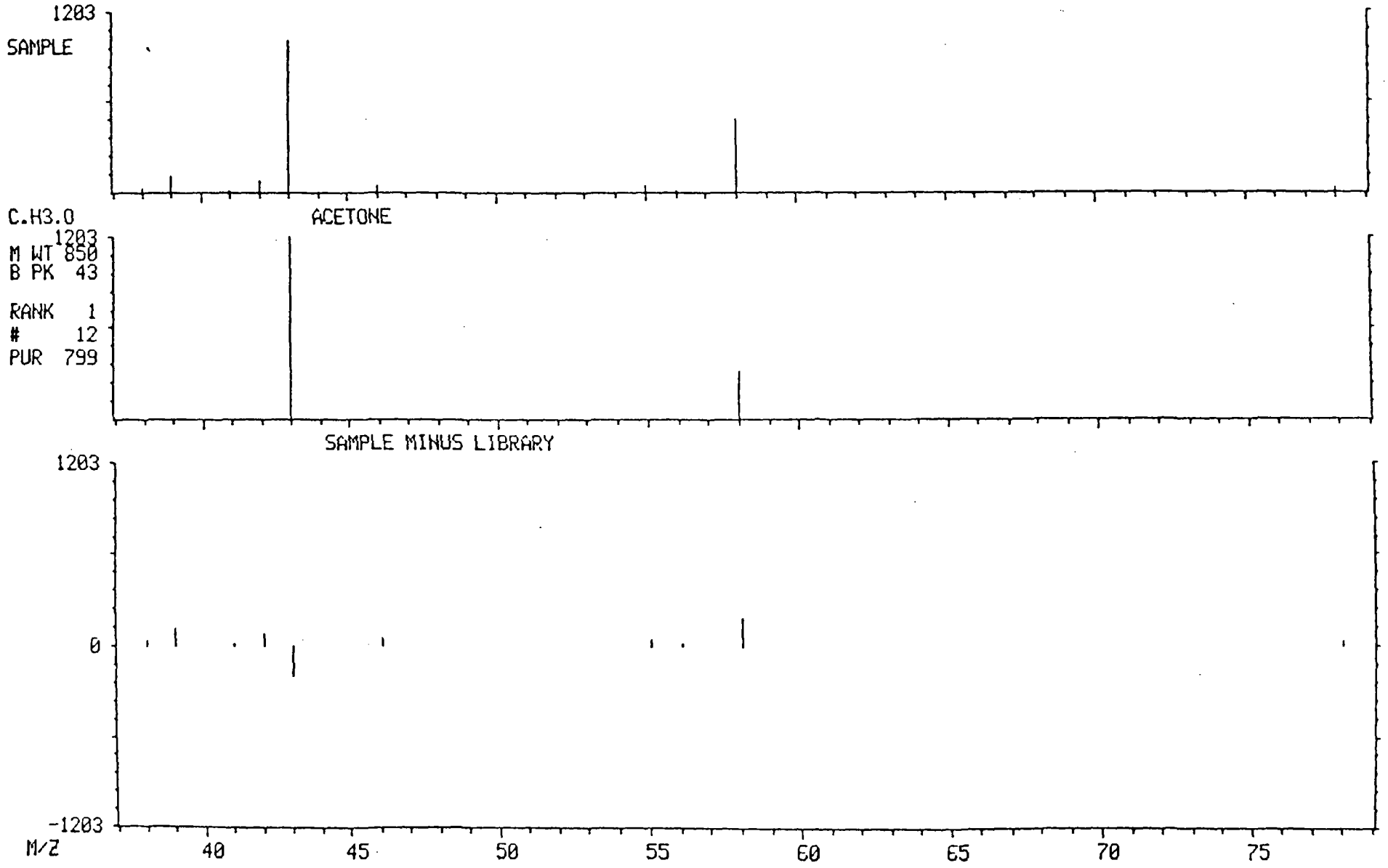
BASE M/Z: 43
RIC: 734.



MID LIBRARY SEARCH (LIBRARYVV)
01/13/89 9:56:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
76 - # 71 - # 85

DATA: VBLK011389 # 76
CALI: VBLK011389 # 3

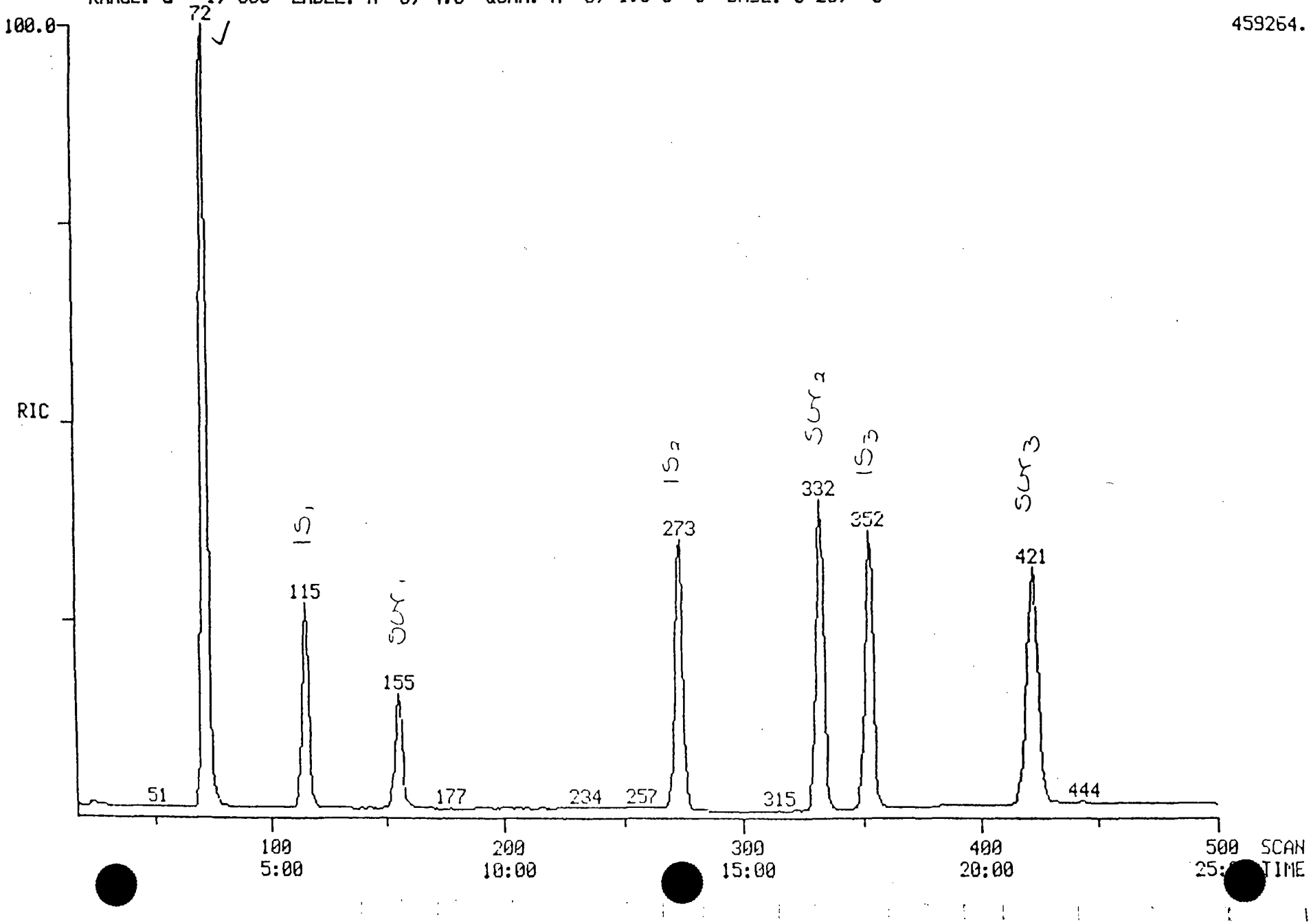
BASE M/Z: 43
RIC: 734.



RIC
01/13/89 14:08:00
SAMPLE: 8901JC01 (500UL/5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010419 #2
CALI: V9010419 #3

SCANS 15 TO 500

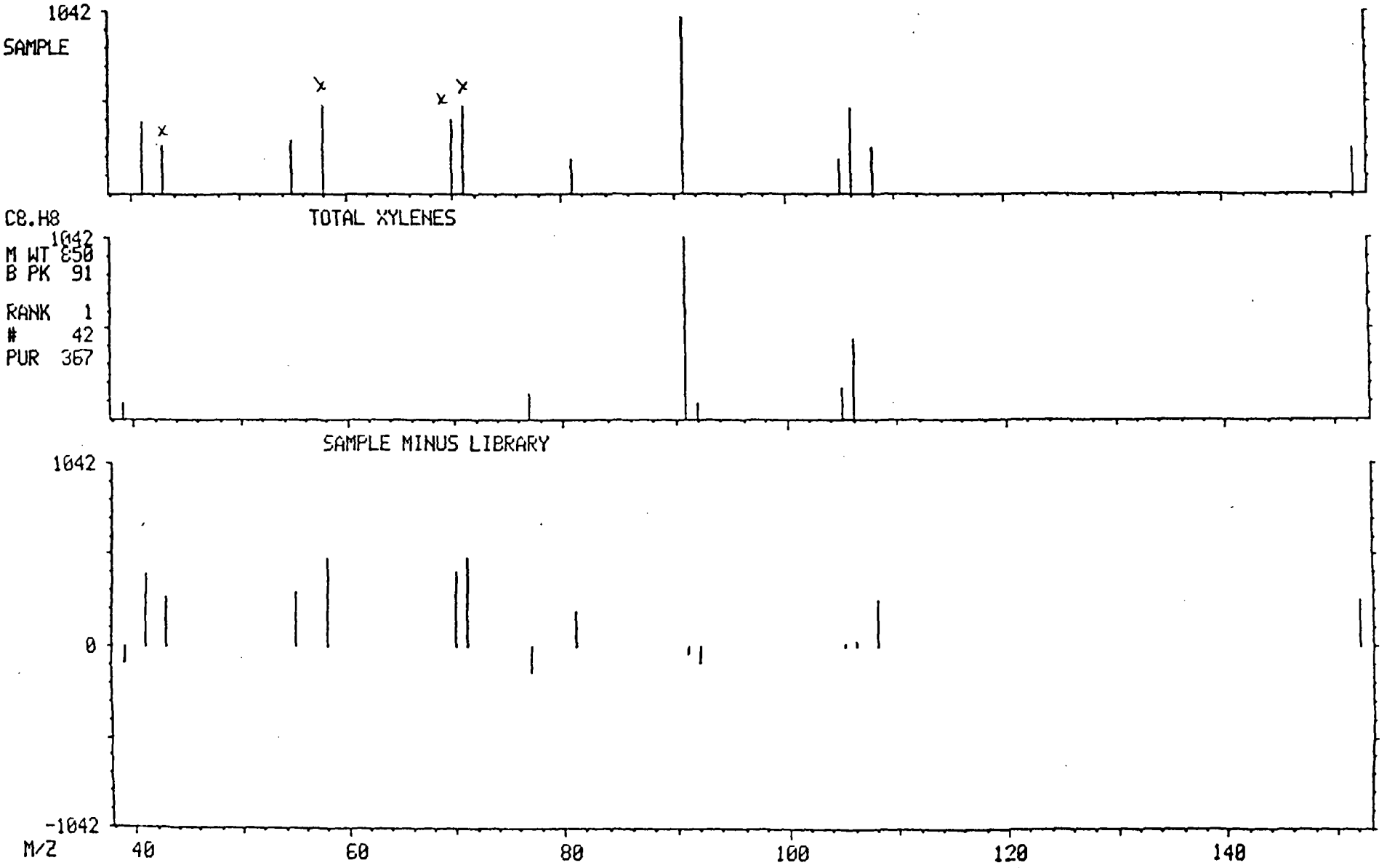


MID LIBRARY SEARCH (LIBRARYVV)
01/13/89 15:38:00 + 22:12
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
444 - # 425 - # 449

DATA: V9010420 # 444
CALI: V9010420 # 3

BASE M/Z: 91
RIC: 1544.

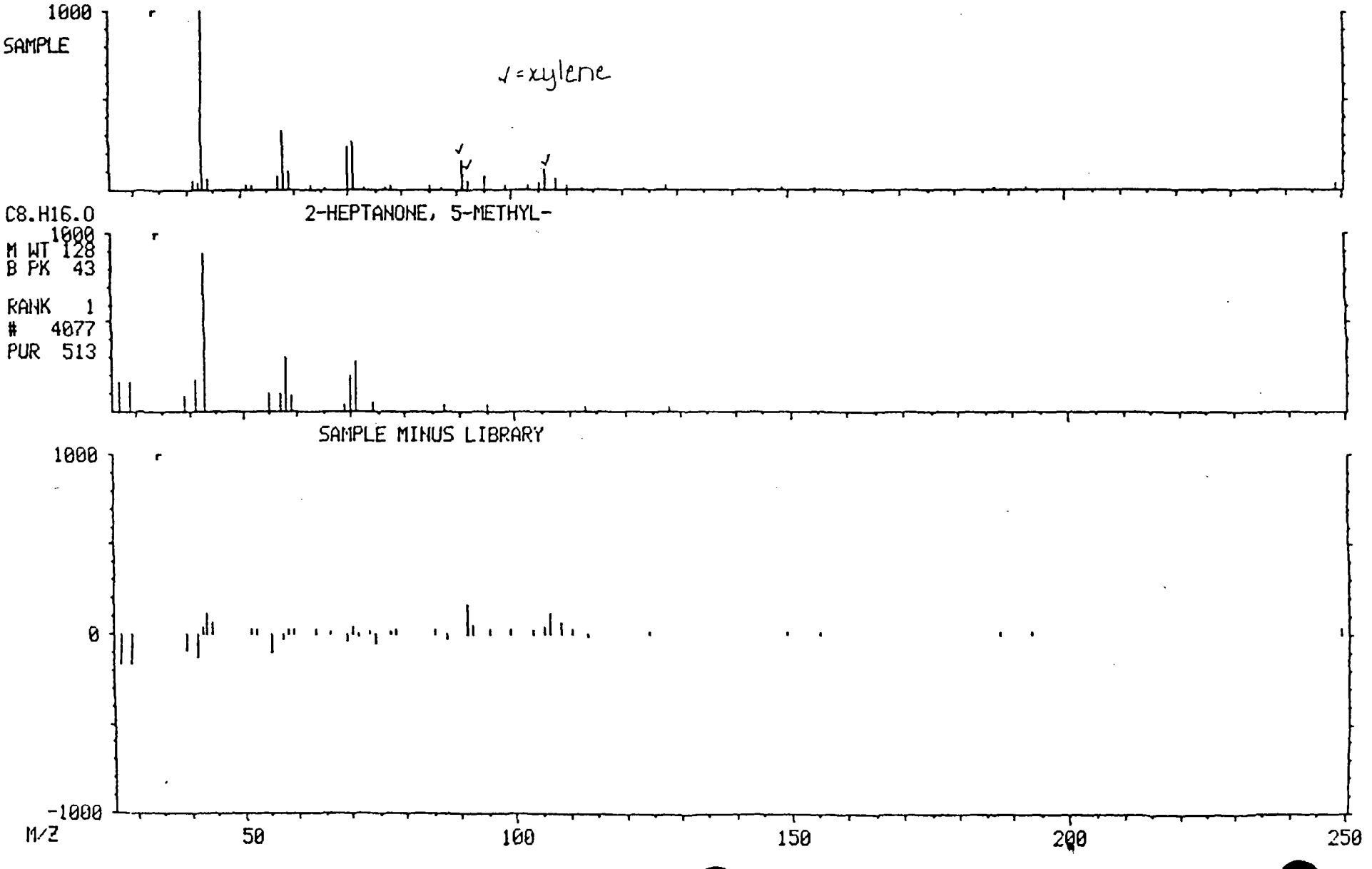
x = coeluting NASL
(see additional spectra)



MID LIBRARY SEARCH (LIBRARYNB)
01/13/89 15:38:00 + 22:18
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
446 - # 436

DATA: V9010420 # 446
CALI: V9010420 # 3

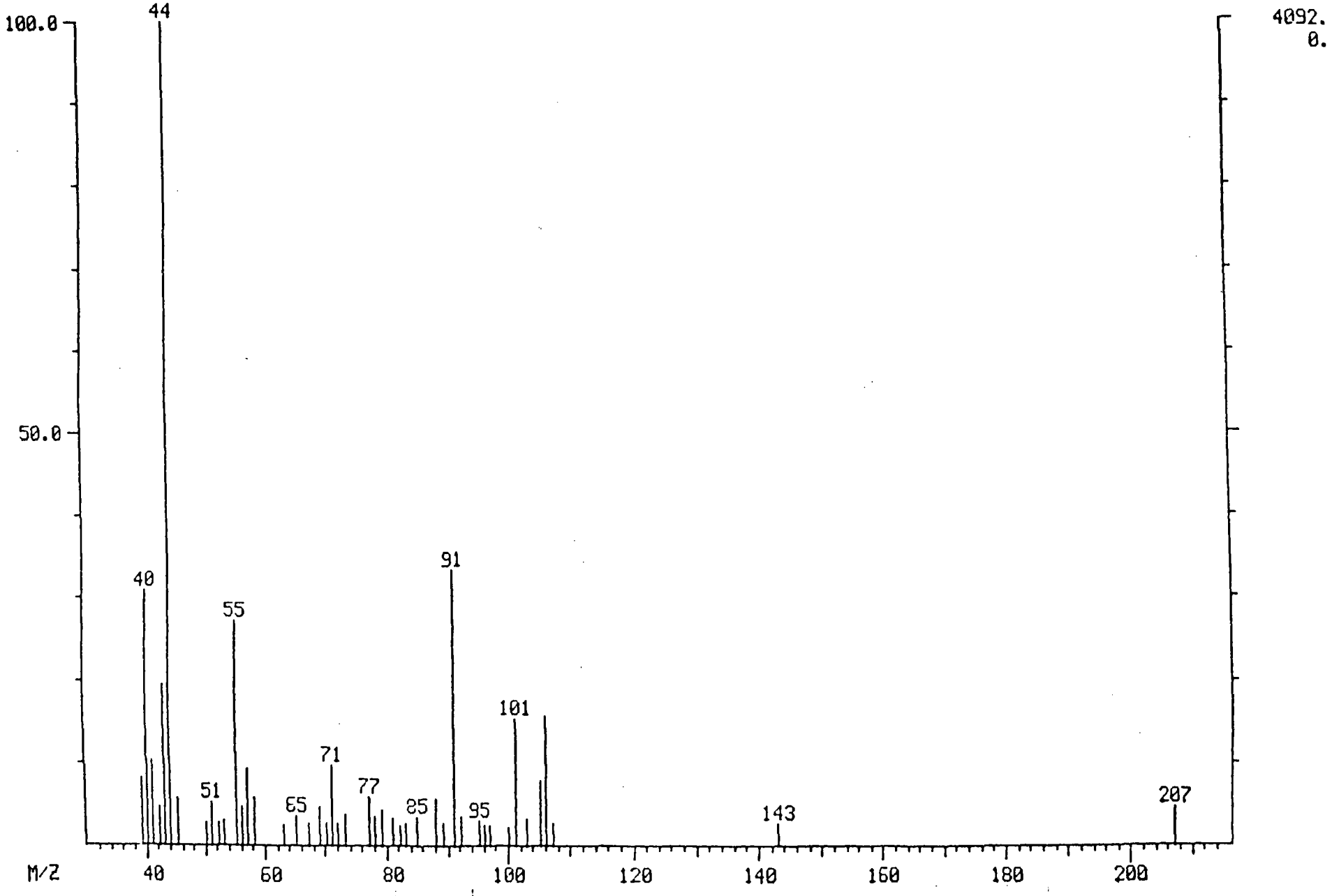
BASE M/Z: 43
RIC: 3844.



MASS SPECTRUM
01/13/89 15:38:00 + 22:51
SAMPLE: 8901JCO2 (5ML)
CONDS.: GC DESC VO
TEMP: 225 DEG. C

DATA: V9010420 #457
CALI: V9010420 #3

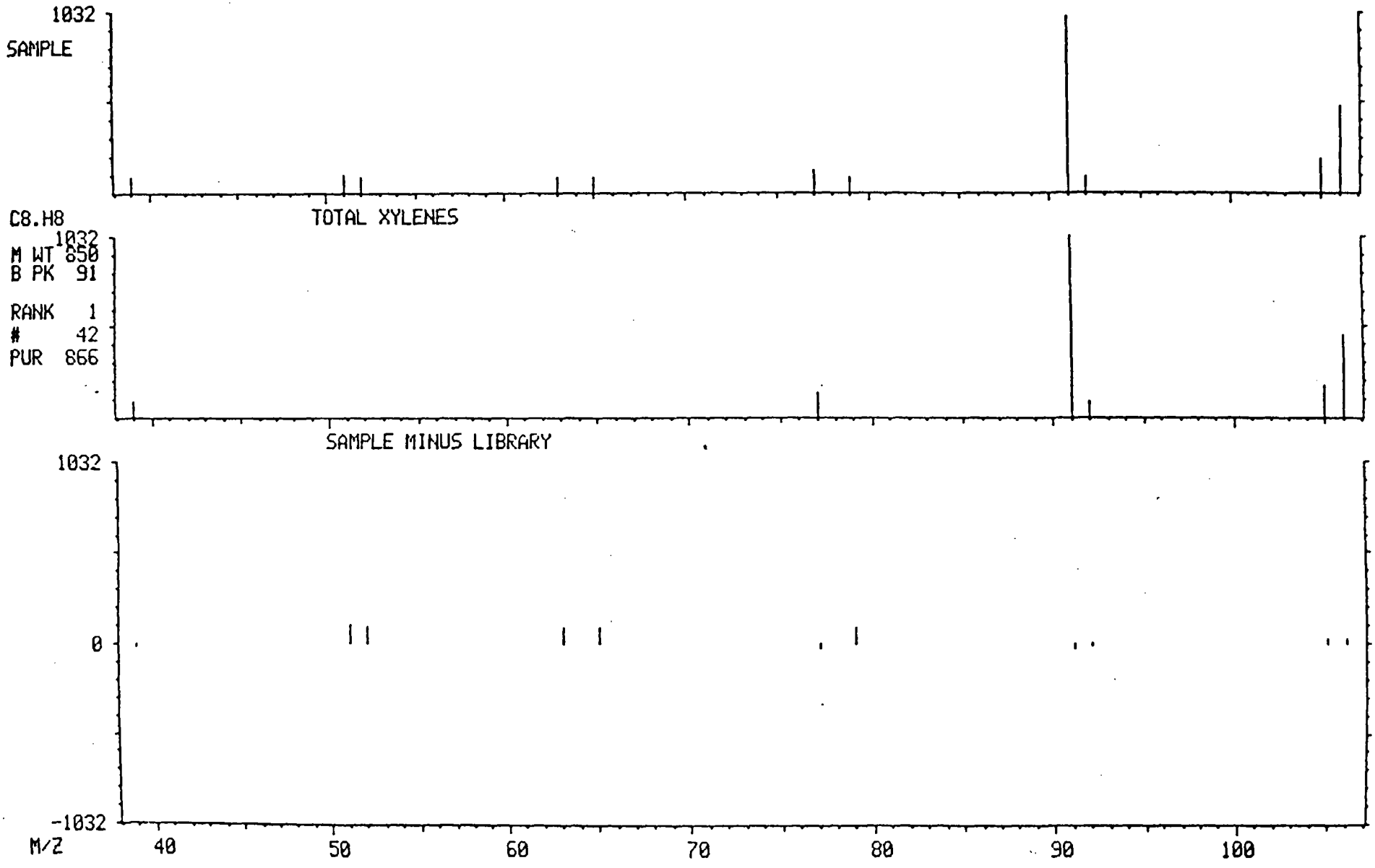
BASE M/Z: 44
RIC: 16544.



MID LIBRARY SEARCH (LIBRARYVV)
01/13/89 15:38:00 + 22:48
SAMPLE: 8901JC02 (5ML)
CONDS.: GC DESC VO
456 - # 449 - # 463

DATA: V9010420 # 456
CALI: V9010420 # 3

BASE M/Z: 91
RIC: 2684.



GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

Case No. _____ Contractor Sequoia Contract No. _____

Instrument ID F3 Date 1-16-89 Time 07:26

Lab ID BFB011689 Data Release Authorized By: Wendy Amundsen

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	15.2
75	30.0 - 60.0% of the base peak	35.5
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	6.7
173	Less than 1.0% of the base peak	0.1
174	Greater than 50.0% of the base peak	79.7
175	5.0 - 9.0% of mass 174	6.4 (8.1)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	79.3 (99.5)[1]
177	5.0 - 9.0% of mass 176	6.0 (7.6)[2]

[1] Value in parenthesis is % mass 174.
[2] Value in parenthesis is % mass 176.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
HE STD V010989A	VSTD011689	1-16-89	07:43
VOA BLOCK	VBLK011689	↓	08:23
8901JC03	V9010421	↓	11:18
8901JC04	V9010422	↓	11:53
8901JC07	V9010423	↓	12:29
8901JC07 MS	V9010423MS	↓	12:58
8901JC07 MSD	V9010423SD	↓	13:42
8901JC08	V9010424	↓	14:20
8901JC09	V9010425	↓	16:47
8901JC11	V9010426	↓	18:11

BROMOFLUOROBENZENE

Tuning Report
01/16/89 7:26:00 + 6:15
Instrument: FINN
#124 to #127 summed - #131
Case Number:

Data: BFB011689 # 125
Cali: CALTAB # 3
Analyst: JJS

Base m/z: 95
RIC: 86400.
Acct. No.: -

Laboratory: SEQUOIA LAB

Contract:

m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
50	3020.	15.2	15.0	40.0	95	15.2	PASS
75	7064.	35.5	30.0	60.0	95	35.5	PASS
95	19872.	100.0	100.0	---	---	100.0	PASS
96	1338.	6.7	5.0	9.0	95	6.7	PASS
173	17.	0.1	---	2.0	174	0.1	PASS
174	15840.	79.7	50.0	---	95	79.7	PASS
175	1278.	6.4	5.0	9.0	174	8.1	PASS
176	15760.	79.3	95.0	101.0	174	99.5	PASS
177	1192.	6.0	5.0	9.0	176	7.6	PASS

Mass List
01/16/89 7:26:00 + 6:15
Sample: BFB STD V121289A (50NG D.I.)
Conds.: GC DESC BF
#124 to #127 summed - #131

Data: BFB011689 # 125
Cali: CALTAB # 3

Base m/z: 95
RIC: 86400.

36 0.00 0.
219

Mass		% RA	Inten.
36?		1.01	201.
37?		5.09	1012.
38?		4.83	960.
39?	S	1.23	244.
40?	S	0.20	40.
44?	S	1.45	288.
45?	S	0.70	139.
46?		0.09	17.
47?		2.76	548.
48?		0.24	47.
49?		3.71	738.
50?	S	15.20	3020.
51?		5.21	1036.
56?	S	0.89	176.
57?	S	1.41	280.
60?		0.51	102.
61?		3.17	630.
62?		3.08	613.
63?		2.48	493.
64?		0.08	15.
67?	S	0.47	93.
68?	S	7.02	1396.
69	S	6.45	1282.
70	S	0.56	111.
72		0.39	77.
73	S	2.48	492.
74	S	10.83	2152.
75	S	35.55	7064.
76		3.70	735.
77	S	0.99	196.
78		1.32	262.
79	S	0.88	174.
80		0.38	75.
81	S	1.17	233.
82		0.90	179.
86		0.09	17.
87		6.22	1236.
88	S	5.42	1078.
91	S	0.12	24.
92		2.23	443.
93		3.47	690.
94		9.25	1838.
95	S	100.00	19872.
96	S	6.73	1338.
97	S	0.25	49.
104		0.25	49.
105	S	0.30	59.
117		0.56	112.
128		0.10	20.
141		0.48	95.

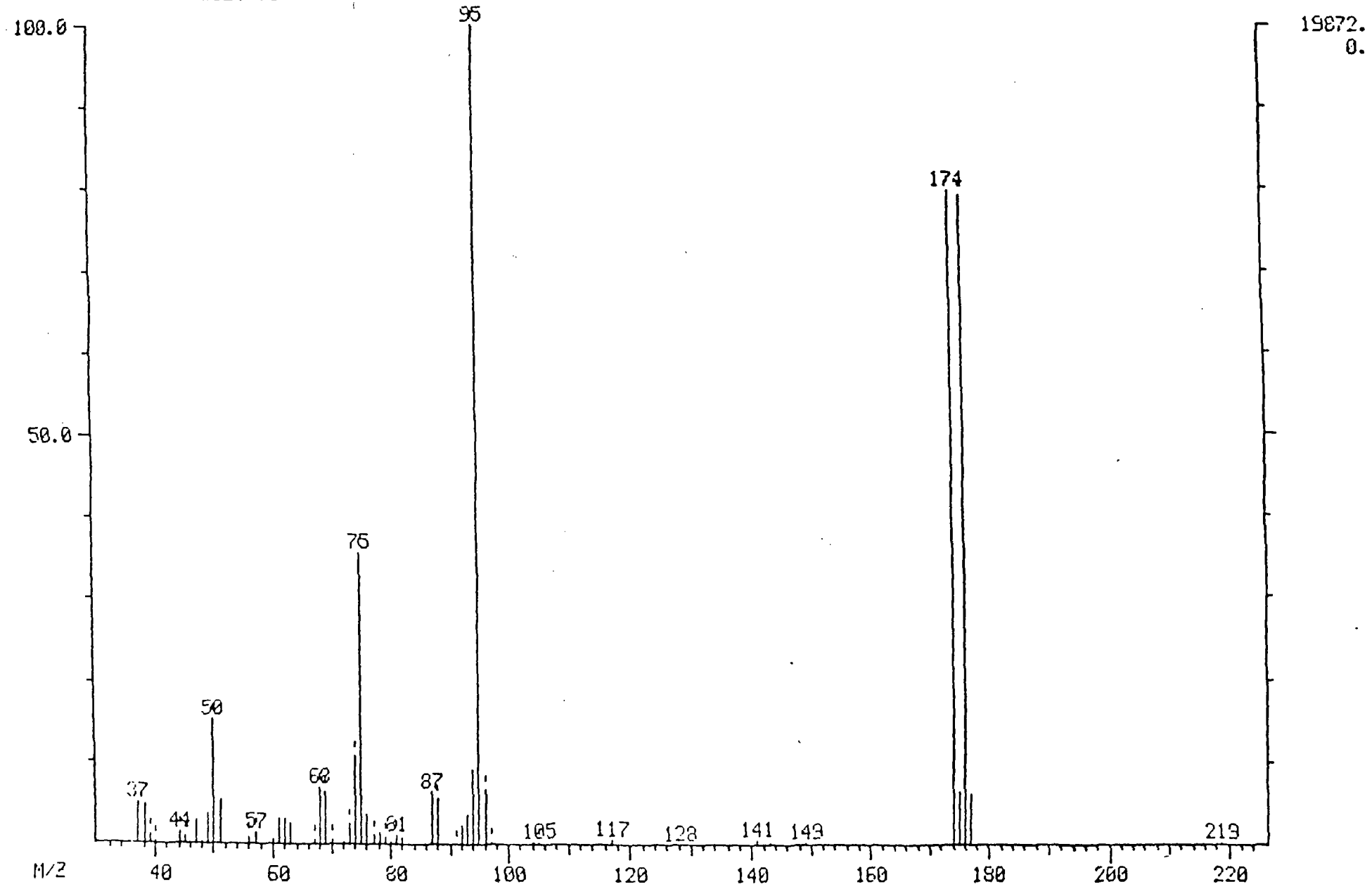
Minima Maxima Min Inten: 0.

#		Mass	% RA	Inten.
		143	0.30	60.
		149	0.21	41.
		173	0.09	17.
	S	174	79.71	15840.
		175	6.43	1278.
	S	176	79.31	15760.
		177	6.00	1192.
		219	0.33	65.

MASS SPECTRUM
01/16/89 7:26:00 + 6:15
SAMPLE: BFB STD V121289A (50NG D.I.)
CONDS.: GC DESC BF
TEMP: 225 DEG. C
#124 TO #127 SUMMED - #131

DATA: BFB011689 #125
CALI: CALTAB #3

BASE M/Z: 95
RIC: 86400.



Continuing Calibration Check
Volatile HSL Compounds

Case No: _____

Laboratory Name: Sequoia Analytical

Contract No: _____

Instrument ID: F3

Calibration Date: 1-16-89

Time: 07:43

Laboratory ID: VSTD011689

Initial Calibration Date: 01-12-89

Minimum RF for SPCC is 0.300 (0.25 for Bromoform)

Maximum %D for CCC is 30%

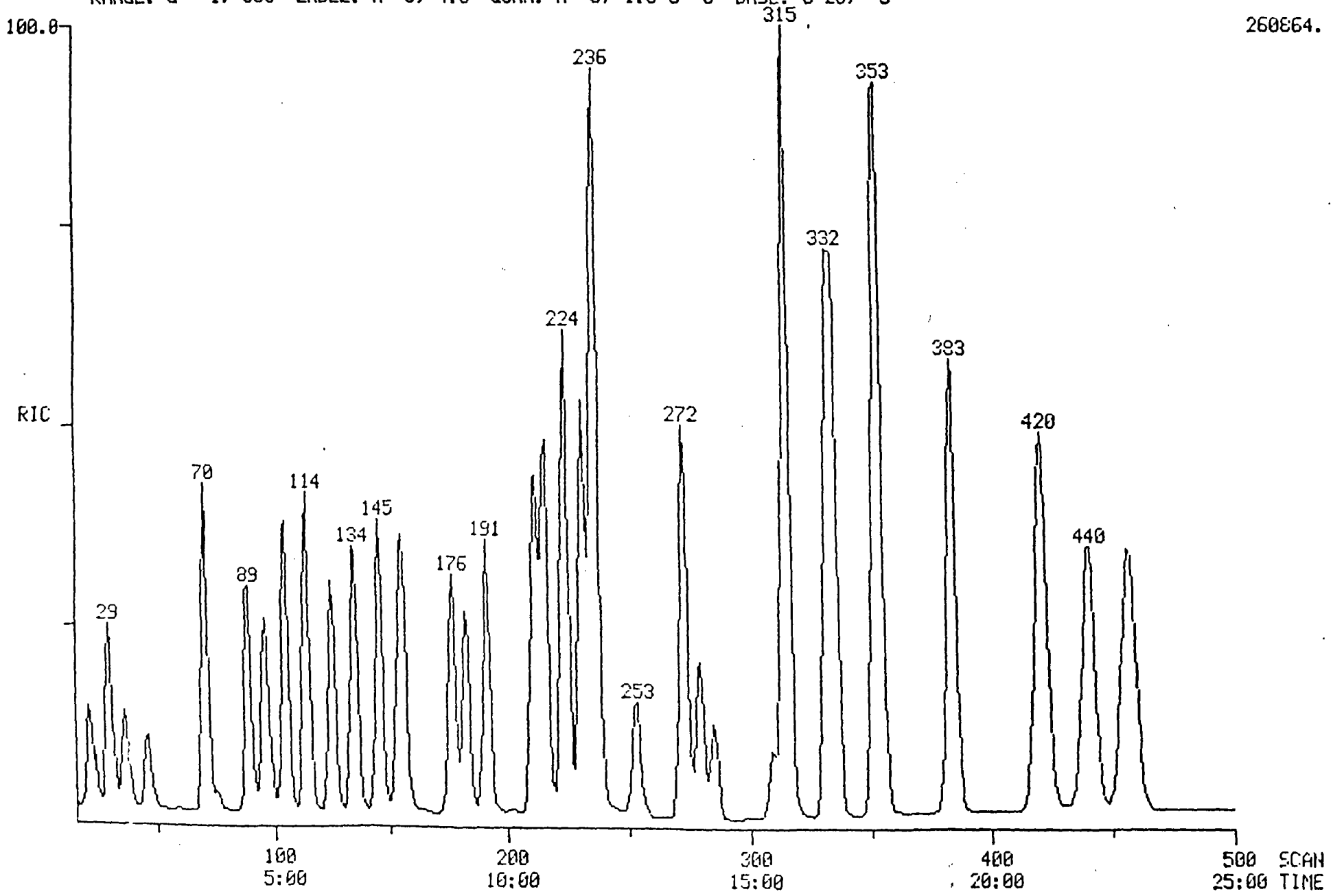
Compound	RF	RF_{50}	%D	CCC	SPCC
Chloromethane	0.928	1.068	–		••
Bromomethane	1.304	1.308	+0.3		
Vinyl Chloride	1.188	1.160	-2.3	•	
Chloroethane	0.802	0.745	-7.1		
Methylene Chloride	1.963	1.842	-6.2		
Acetone	0.204	0.198	-11		
Carbon Disulfide	3.776	3.501	-7.1		
1,1-Dichloroethene	1.848	1.648	-11.4	•	
1,1-Dichloroethane	2.418	2.225	–		••
Trans-1,2-Dichloroethene	1.823	1.676	-8.0		
Chloroform	2.376	2.203	-7.3	•	
1,2-Dichloroethane	1.118	1.007	-9.9		
2-Butanone	0.110	0.098	-11		
1,1,1-Trichloroethane	0.175	0.192	+9.4		
Carbon Tetrachloride	0.271	0.294	+8.5		
Vinyl Acetate	0.135	0.082	-39		
Bromodichloromethane	0.480	0.502	+4.6		
1,2-Dichloropropane	0.439	0.418	+6.6	•	
Trans-1,3-Dichloropropene	0.650	0.670	+2.8		
Trichloroethene	0.493	0.550	+12		
Dibromochloromethane	0.446	0.460	+3.1		
1,1,2-Trichloroethane	0.337	0.345	+2.4		
Benzene	0.971	1.058	+8.9		
cis-1,3-Dichloropropene	0.213	0.211	-0.9		
2-Chloroethylvinylether	0.138	0.147	+6.5		
Bromoform	0.312	0.277	–		••
4-Methyl-2-Pentanone	0.254	0.193	-24		
2-Hexanone	0.344	0.274	-21		
Tetrachloroethene	0.837	0.815	-2.6		
1,1,2,2-Tetrachloroethane	0.580	0.451	–		••
Toluene	0.830	0.790	-4.8	•	
Chlorobenzene	1.119	1.086	–		••
Ethylbenzene	1.623	1.584	-2.4	•	
Styrene	0.963	0.909	-5.6		
Total Xylenes	0.591	0.558	-5.6		

RF_{50} - Response Factor from daily standard file at 50 ug/l
RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference
CCC - Calibration Check Compounds (•)
SPCC - System Performance Check Compounds (••)

RIC
01/16/89 7:43:00
SAMPLE: HSL STD V010989A (50UG/L)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VSTD011689 #1 SCANS 15 TO 500
CALI: VSTD011689 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 8:09:
DATA FILE: VSTD011689
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	59	VSTDS/VSURR
3	3	1	0	7	7	1	78	VSTDS/V1
3	3	1	0	11	11	5	58	VSTDS/V2
3	3	1	0	11	11	32	50	VSTDS/V3
3	3	1	0	11	11	2	49	VSTDS/V4
3	3	1	0	12	11	2	50	VSTDS/V5

43 COMPOUNDS PROCESSED, 42 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAK
1	VV	1	115	114	114	.	1	993	.	128	114	.	
2	VV	2	273	272	272	.	1	998	.	114	272	.	
3	VV	3	353	352	352	.	1	990	.	117	351	-1	
4	VV	4	156	155	154	-1	1	971	.	65	154	.	
5	VV	5	333	331	331	.	1	998	.	98	331	.	
6	VV	6	422	420	420	.	1	988	.	95	420	.	
7	VV	7	22	20	21	1	1	978	.	50	21	.	
8	VV	8	32	30	29	-1	1	992	.	94	29	.	
9	VV	9	-37	35	36	1	1	958	.	62	36	.	
10	VV	10	48	46	46	.	1	995	.	64	46	.	
11	VV	11	73	71	70	-1	1	997	.	49	70	.	
12	VV	12	77	75	75	.	5	996	.	43	75	.	
13	VV	13	92	90	89	-1	1	994	.	76	89	.	
14	VV	14	99	97	96	-1	1	999	.	101	96	.	
15	VV	15	107	105	105	.	1	994	.	61	105	.	
16	VV	16	127	125	125	.	1	996	.	63	125	.	
17	VV	17	136	134	134	.	1	998	.	61	135	1	
18	VV	18	147	145	145	.	1	998	.	83	145	.	
19	VV	19	157	156	155	-1	1	973	.	62	156	1	
20	VV	20	155	154	153	-1	2	996	.	43	153	.	
21	VV	21	178	177	176	-1	1	996	.	61	176	.	
22	VV	22	183	182	182	.	2	1000	.	117	182	.	
23	VV	23	184	183	183	.	4	934	.	43	183	.	
24	VV	24	192	191	191	.	1	1000	.	83	191	.	
25	VV	25	213	212	211	-1	1	986	.	63	211	.	
26	VV	26	217	216	216	.	2	995	.	75	216	.	
27	VV	27	225	224	224	.	1	991	.	130	224	.	
28	VV	28	232	231	231	.	1	996	.	78	231	.	
29	VV	29	237	236	235	-1	1	999	.	129	235	.	
30	VV	30	237	236	236	.	2	1000	.	75	236	.	
31	VV	31	238	237	236	-1	1	988	.	83	237	1	
32	VV	32	254	253	253	.	1	987	.	63	253	.	
33	VV	33	280	279	279	.	1	996	.	173	279	.	
34	VV	34	286	285	284	-1	1	1000	.	43	284	.	1
35	VV	35	310	309	309	.	2	1000	.	43	309	.	1
36	VV	36	316	315	314	-1	1	995	.	166	314	.	1
37	VV	37	316	315	315	.	1	985	.	83	315	.	1
38	VV	38	336	335	334	-1	1	996	.	92	334	.	1
39	VV	39	354	353	353	.	1	994	.	112	353	.	1
40	VV	40	385	384	383	-1	1	998	.	91	383	.	1
41	VV	41	441	439	440	1	1	998	.	104	440	.	1
42	VV	42	458	456	456	.	1	997	.	106	456	.	1
43	VV	43	-254	253	.	.	.	.	.	109	253	.	1

Quantitation Report File: VSTD011689

Data: VSTD011689.TI
01/16/89 7:43:00
Sample: HSL STD V010989A (50UG/L)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
29	DIBROMOCHLOROMETHANE
30	CIS-2,3-DICHLOROPROPENE
31	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	55226.	50.000	UG/L	2.17
2	114	272	13:36	2	1.000	A BB	205640.	50.000	UG/L	2.17
3	117	351	17:33	3	1.000	A BB	175863.	50.000	UG/L	2.17
4	65	154	7:42	1	1.351	A BB	54702.	100.000	%	4.35
5	98	331	16:33	3	0.943	A BB	226833.	100.000	%	4.35
6	95	420	21:00	3	1.197	A BB	154635.	100.000	%	4.35
7	50	21	1:03	1	0.184	A BV	58957.	50.000	UG/L	2.17
8	94	29	1:27	1	0.254	A BB	72214.	50.000	UG/L	2.17
9	62	36	1:48	1	0.316	A BV	64065.	50.000	UG/L	2.17
10	64	46	2:18	1	0.404	A VB	41119.	50.000	UG/L	2.17
11	49	70	3:30	1	0.614	A BB	101726.	50.000	UG/L	2.17
12	43	75	3:45	1	0.658	A BV	10913.	50.000	UG/L	2.17
13	76	89	4:27	1	0.781	A BB	193695.	50.000	UG/L	2.17
14	101	96	4:48	1	0.842	A BB	96003.	50.000	UG/L	2.17
15	61	105	5:15	1	0.921	A BB	96551.	50.000	UG/L	2.17
16	63	125	6:15	1	1.096	A BV	122901.	50.000	UG/L	2.17
17	61	135	6:45	1	1.184	A VB	92540.	50.000	UG/L	2.17
18	83	145	7:15	1	1.272	A BB	121667.	50.000	UG/L	2.17
19	62	156	7:48	1	1.368	A BB	55596.	50.000	UG/L	2.17
20	43	153	7:39	2	0.562	A BB	20059.	50.000	UG/L	2.17
21	61	176	8:48	2	0.647	A BB	39486.	50.000	UG/L	2.17
22	117	182	9:06	2	0.669	A VB	60361.	50.000	UG/L	2.17
23	43	183	9:09	2	0.673	A BB	16805.	50.000	UG/L	2.17
24	83	191	9:33	2	0.702	A BB	103172.	50.000	UG/L	2.17
25	63	211	10:33	2	0.776	A BV	96167.	50.000	UG/L	2.17
26	75	216	10:48	2	0.794	A BB	137771.	50.000	UG/L	2.17
27	130	224	11:12	2	0.824	A BV	113180.	50.000	UG/L	2.17
28	78	231	11:33	2	0.849	A BB	217661.	50.000	UG/L	2.17
29	129	235	11:45	2	0.864	A BB	94624.	50.000	UG/L	2.17
30	75	236	11:48	2	0.868	A BB	55644.	50.000	UG/L	2.17
31	83	237	11:51	2	0.871	A BB	70910.	50.000	UG/L	2.17
32	63	253	12:39	2	0.930	A BB	30300.	50.000	UG/L	2.17
33	173	279	13:57	2	1.026	A BB	57000.	50.000	UG/L	2.17
34	43	284	14:12	3	0.809	A BB	46389.	50.000	UG/L	2.17
35	43	309	15:27	3	0.880	A BB	33866.	50.000	UG/L	2.17
36	166	314	15:42	3	0.895	A BB	143263.	50.000	UG/L	2.17
37	83	315	15:45	3	0.897	A BB	80389.	50.000	UG/L	2.17
38	92	334	16:42	3	0.952	A BB	139005.	50.000	UG/L	2.17
39	112	353	17:39	3	1.006	A BB	191017.	50.000	UG/L	2.17
40	91	383	19:09	3	1.091	A BB	278499.	50.000	UG/L	2.17
41	104	440	22:00	3	1.254	A BB	159792.	50.000	UG/L	2.17
42	106	456	22:48	3	1.299	A BB	98127.	50.000	UG/L	2.17
43	109	253	12:39	2	0.930	A BB	147.	50.000	UG/L	2.17

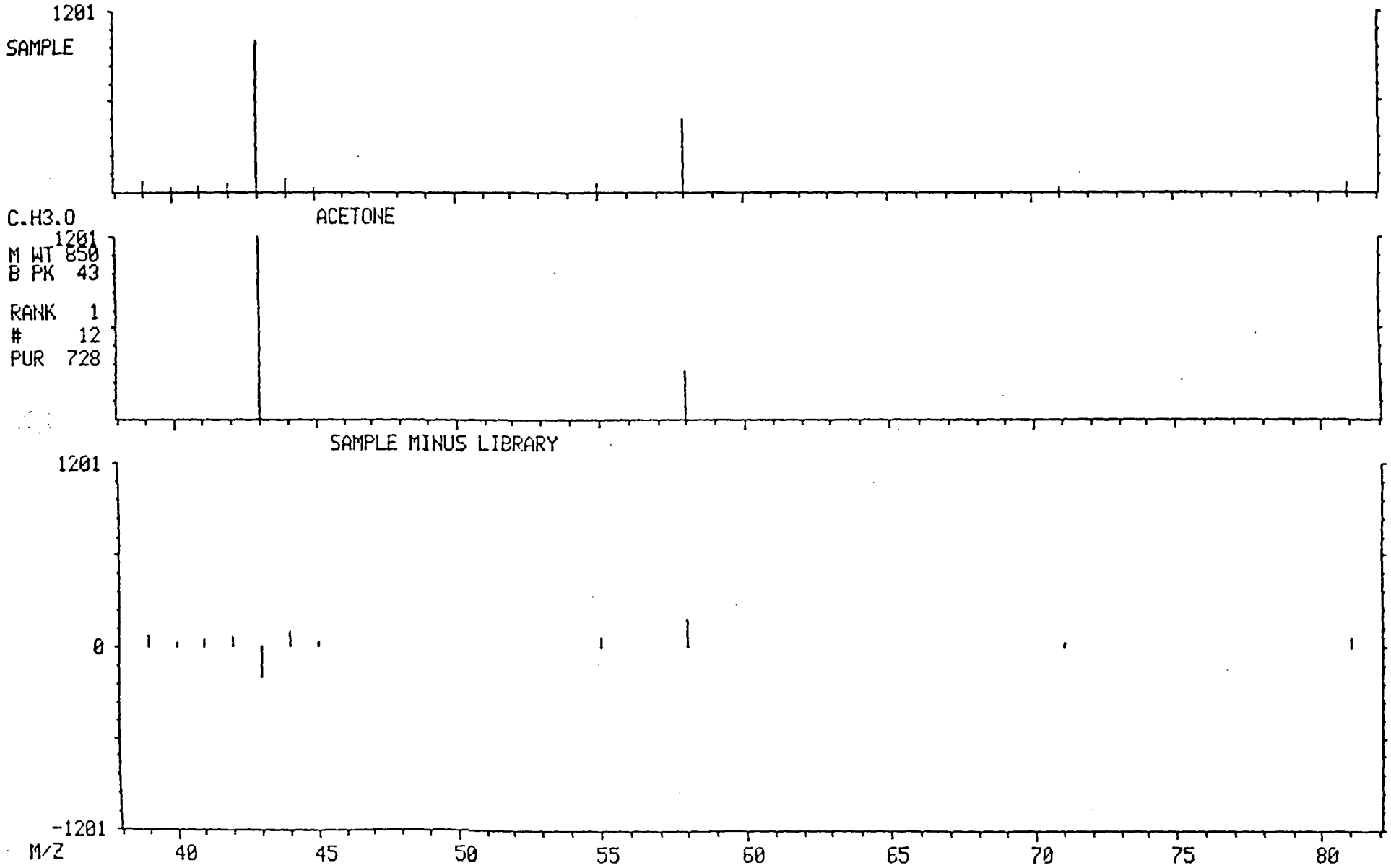
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	5:42	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	13:36	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	17:33	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	7:42	1.00	1.351	1.00	100.00	100.00	0.495	0.495	1.00
5	16:33	1.00	0.943	1.00	100.00	100.00	0.645	0.645	1.00
6	21:00	1.00	1.197	1.00	100.00	100.00	0.440	0.440	1.00
7	1:03	1.00	0.184	1.00	50.00	50.00	1.068	1.068	1.00
8	1:27	1.00	0.254	1.00	50.00	50.00	1.308	1.308	1.00
9	1:48	1.00	0.316	1.00	50.00	50.00	1.160	1.160	1.00
10	2:18	1.00	0.404	1.00	50.00	50.00	0.745	0.745	1.00
11	3:30	1.00	0.614	1.00	50.00	50.00	1.842	1.842	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
12	3:45	1.00	0.658	1.00	50.00	50.00	0.198	0.198	1.00
13	4:27	1.00	0.781	1.00	50.00	50.00	3.507	3.507	1.00
14	4:48	1.00	0.842	1.00	50.00	50.00	1.738	1.738	1.00
15	5:15	1.00	0.921	1.00	50.00	50.00	1.748	1.748	1.00
16	6:15	1.00	1.096	1.00	50.00	50.00	2.225	2.225	1.00
17	6:45	1.00	1.184	1.00	50.00	50.00	1.676	1.676	1.00
18	7:15	1.00	1.272	1.00	50.00	50.00	2.203	2.203	1.00
19	7:48	1.00	1.368	1.00	50.00	50.00	1.007	1.007	1.00
20	7:39	1.00	0.562	1.00	50.00	50.00	0.098	0.098	1.00
21	8:48	1.00	0.647	1.00	50.00	50.00	0.192	0.192	1.00
22	9:06	1.00	0.669	1.00	50.00	50.00	0.294	0.294	1.00
23	9:09	1.00	0.673	1.00	50.00	50.00	0.082	0.082	1.00
24	9:33	1.00	0.702	1.00	50.00	50.00	0.502	0.502	1.00
25	10:33	1.00	0.776	1.00	50.00	50.00	0.468	0.468	1.00
26	10:48	1.00	0.794	1.00	50.00	50.00	0.670	0.670	1.00
27	11:12	1.00	0.824	1.00	50.00	50.00	0.550	0.550	1.00
28	11:33	1.00	0.849	1.00	50.00	50.00	1.058	1.058	1.00
29	11:45	1.00	0.864	1.00	50.00	50.00	0.460	0.460	1.00
30	11:48	1.00	0.868	1.00	50.00	50.00	0.271	0.271	1.00
31	11:51	1.00	0.871	1.00	50.00	50.00	0.345	0.345	1.00
32	12:39	1.00	0.930	1.00	50.00	50.00	0.147	0.147	1.00
33	13:57	1.00	1.026	1.00	50.00	50.00	0.277	0.277	1.00
34	14:12	1.00	0.809	1.00	50.00	50.00	0.264	0.264	1.00
35	15:27	1.00	0.880	1.00	50.00	50.00	0.193	0.193	1.00
36	15:42	1.00	0.895	1.00	50.00	50.00	0.815	0.815	1.00
37	15:45	1.00	0.897	1.00	50.00	50.00	0.457	0.457	1.00
38	16:42	1.00	0.952	1.00	50.00	50.00	0.790	0.790	1.00
39	17:39	1.00	1.006	1.00	50.00	50.00	1.086	1.086	1.00
40	19:09	1.00	1.091	1.00	50.00	50.00	1.584	1.584	1.00
41	22:00	1.00	1.254	1.00	50.00	50.00	0.909	0.909	1.00
42	22:48	1.00	1.299	1.00	50.00	50.00	0.558	0.558	1.00
43	12:39	1.00	0.930	1.00	50.00	50.00	0.001	0.001	1.00

MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 8:23:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
76 - # 73 - # 80

DATA: VBLK011689 # 76
CALI: VBLK011689 # 3

BASE M/Z: 43
RIC: 457.



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 8:4

DATA FILE: VBLK011689
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	5	1	61	VSTDS/V2
3	3	1	53	11	4	1	67	VSTDS/V3
3	3	1	53	11	7	1	46	VSTDS/V4
3	3	1	53	12	8	2	43	VSTDS/V5

43 COMPOUNDS PROCESSED, 18 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PE
1	VV	1	115	115	115	.	1	994	.	128	115	.	
2	VV	2	273	273	273	.	1	998	.	114	273	.	
3	VV	3	353	352	352	.	1	994	.	117	352	.	
4	VV	4	156	156	155	-1	1	974	.	65	155	.	
5	VV	5	333	332	332	.	1	1000	.	98	332	.	
6	VV	6	422	421	421	.	1	989	.	95	421	.	
7	VV	7	22	22	.	.	.	.	.	50	21	.	
8	VV	8	32	32	.	.	.	.	.	94	.	.	
9	VV	9	-37	37	.	.	.	.	.	62	.	.	
10	VV	10	48	48	.	.	.	.	.	64	.	.	
11	VV	11	73	73	72	-1	1	891	.	49	72	.	
12	VV	12	77	77	77	.	1	998	.	43	77	.	
13	VV	13	92	92	.	.	.	.	.	76	90	.	
14	VV	14	99	99	.	.	.	.	.	101	97	.	
15	VV	15	107	107	.	.	.	.	.	61	106	.	
16	VV	16	127	127	.	.	.	.	.	63	.	.	
17	VV	17	136	136	.	.	.	.	.	61	136	.	
18	VV	18	147	147	.	.	.	.	.	83	146	.	
19	VV	19	157	157	.	.	.	.	.	62	156	.	
20	VV	20	155	155	154	-1	1	993	.	43	154	.	
21	VV	21	178	178	.	.	.	.	.	61	.	.	
22	VV	22	183	183	.	.	.	.	.	117	.	.	
23	VV	23	184	184	.	.	.	.	.	43	.	.	
24	VV	24	192	192	.	.	.	.	.	83	.	.	
25	VV	25	213	213	.	.	.	.	.	63	.	.	
26	VV	26	217	217	.	.	.	.	.	75	217	.	
27	VV	27	225	224	224	.	1	924	.	130	225	1	
28	VV	28	232	231	.	.	.	.	.	78	232	.	
29	VV	29	237	236	236	.	1	935	.	129	236	.	
30	VV	30	237	236	.	.	.	.	.	75	237	.	
31	VV	31	238	237	237	.	1	958	.	83	237	.	
32	VV	32	254	253	.	.	.	.	.	63	253	.	
33	VV	33	280	279	.	.	.	.	.	173	279	.	
34	VV	34	286	285	285	.	1	994	.	43	285	.	
35	VV	35	310	310	310	.	2	997	.	43	310	.	
36	VV	36	316	315	315	.	1	900	.	166	315	.	
37	VV	37	316	315	316	1	1	995	.	83	316	.	
38	VV	38	336	335	.	.	.	.	.	92	335	.	
39	VV	39	354	353	.	.	.	.	.	112	354	.	
40	VV	40	385	384	384	.	1	859	.	91	384	.	
41	VV	41	441	440	440	.	1	855	.	104	439	-1	
42	VV	42	458	457	.	.	.	.	.	106	456	.	
43	VV	43	-254	254	.	.	.	.	.	109	.	.	

Quantitation Report File: VBLK011689

Data: VBLK011689.TI
01/16/89 8:23:00
Sample: VOA BLANK (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

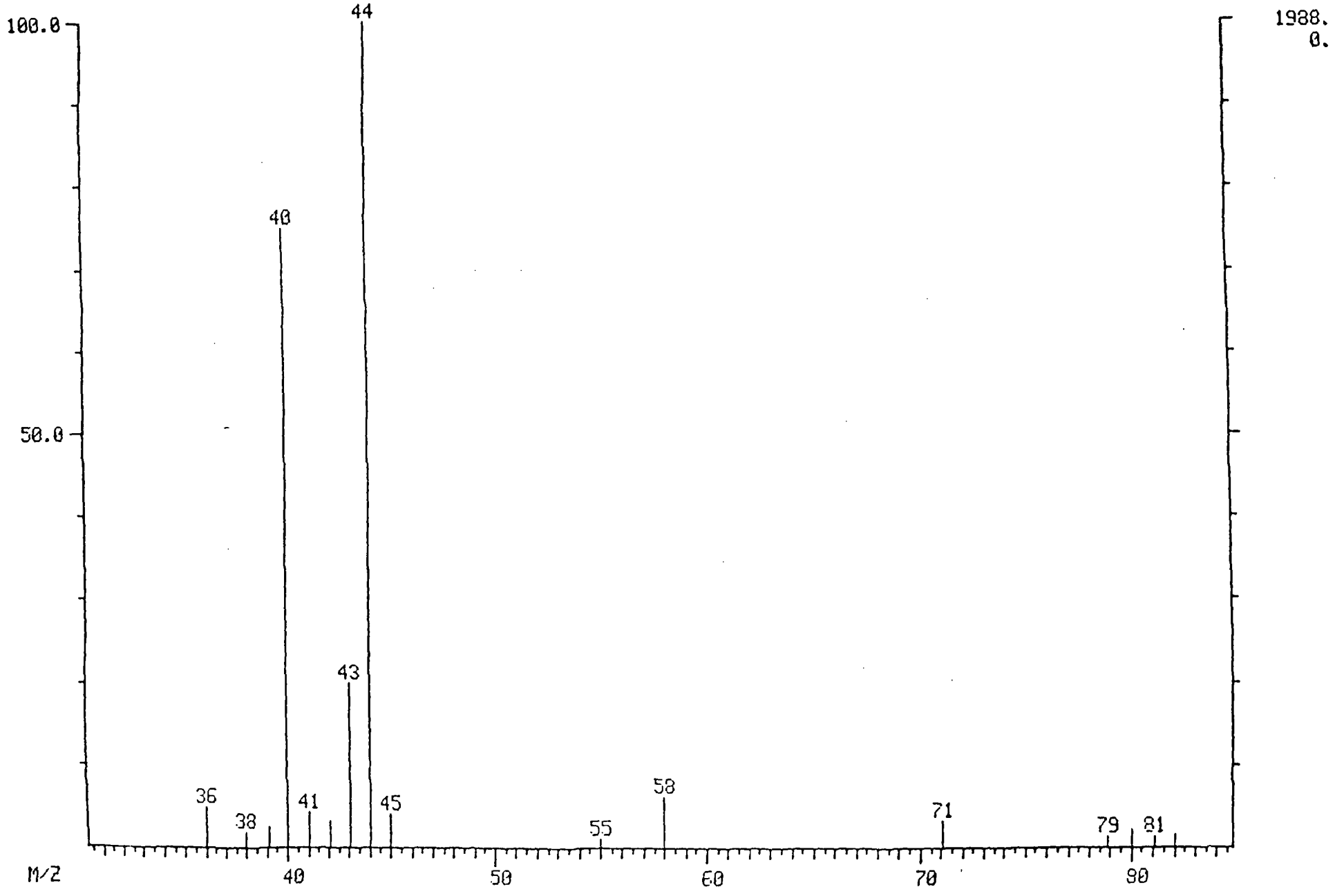
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	ACETONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	53237.	50.000	UG/L	10.83
2	114	273	13:39	2	1.000	A BB	220780.	50.000	UG/L	10.83
3	117	352	17:36	3	1.000	A BB	162132.	50.000	UG/L	10.83
4	65	155	7:45	1	1.348	A BB	50670.	96.090	%	20.81
5	98	332	16:36	3	0.943	A BB	210754.	100.780	%	21.82
6	95	421	21:03	3	1.196	A BB	150005.	105.221	%	22.78
7	43	77	3:51	1	0.670	A BB	2047.	9.729	UG/L	2.11

MASS SPECTRUM
01/16/89 8:23:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
TEMP: 82 DEG. C

DATA: VBLK011689 #76
CALI: VBLK011689 #3

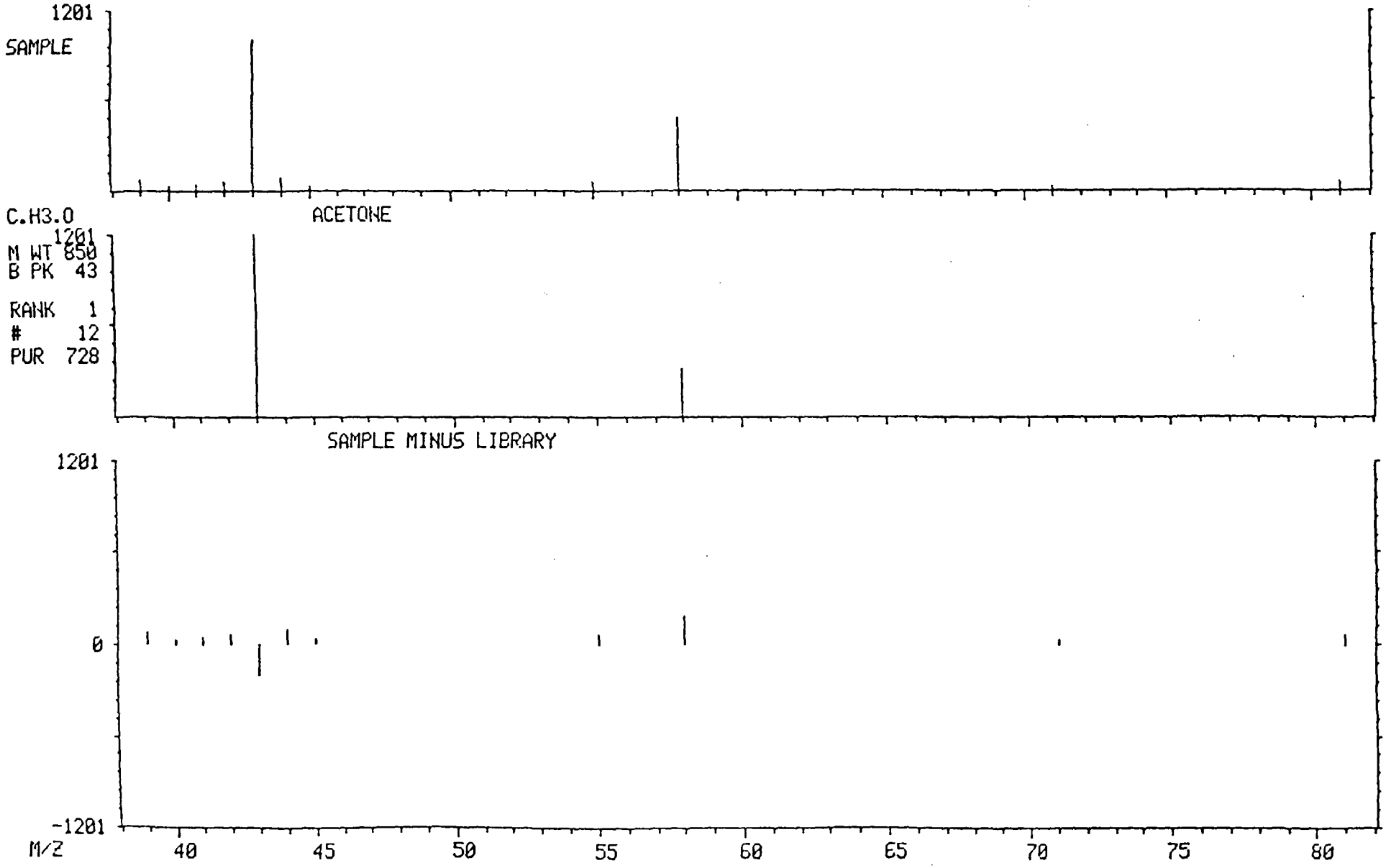
BASE M/Z: 44
RIC: 4624.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 8:23:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
76 - # 73 - # 80

DATA: VBLK011689 # 76
CALI: VBLK011689 # 3

BASE M/Z: 43
RIC: 457.

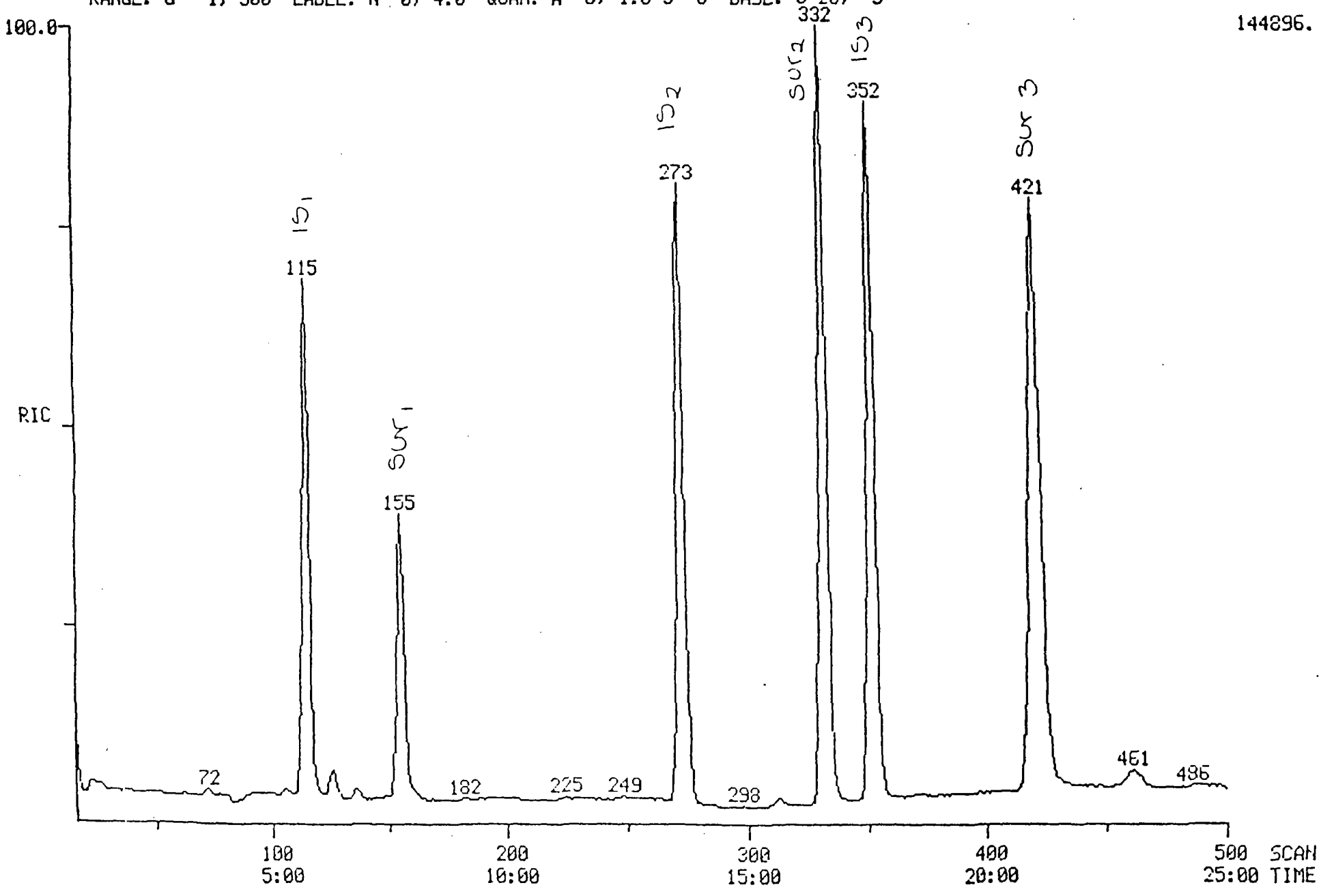


RIC
/16/89 11:18:00
SAMPLE: 8901JC03 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010421
CALI: V9010421

SCANS 15 TO 500

144896.



PROCEDURE: TCA
DATA FILE: V9010421
REFERENCE: TAB11
NAME LIST: VMASTER
REPORT: VSTDS

DIAGNOSTIC REPORT

1/16/89 11:46:

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	8	1	58	VSTDS/V2
3	3	1	53	11	4	2	67	VSTDS/V3
3	3	1	53	11	5	1	54	VSTDS/V4
3	3	1	53	12	4	1	211	VSTDS/V5

43 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAI
1	VV	1	115	115	115	.	1	991	.	128	115	.	
2	VV	2	273	273	273	.	1	996	.	114	273	.	
3	VV	3	353	352	352	.	1	989	.	117	352	.	
4	VV	4	156	156	155	-1	1	973	.	65	155	.	
5	VV	5	333	332	332	.	1	997	.	98	332	.	
6	VV	6	422	421	421	.	1	991	.	95	421	.	
7	VV	7	22	22	.	.	.	.	.	50	.	.	
8	VV	8	32	32	.	.	.	.	.	94	.	.	
9	VV	9	-37	37	.	.	.	.	.	62	38	.	
10	VV	10	48	48	.	.	.	.	.	64	.	.	
11	VV	11	73	73	72	-1	1	995	.	49	72	.	
12	VV	12	77	77	77	.	1	997	.	43	77	.	
13	VV	13	92	92	.	.	.	.	.	76	.	.	
14	VV	14	99	99	.	.	.	.	.	101	97	.	
15	VV	15	107	107	106	-1	1	962	.	61	106	.	
16	VV	16	127	127	126	-1	1	998	.	63	126	.	
17	VV	17	136	136	136	.	1	995	.	61	136	.	
18	VV	18	147	147	.	.	.	.	.	83	.	.	
19	VV	19	157	157	.	.	.	.	.	62	156	.	
20	VV	20	155	155	154	-1	2	991	.	43	154	.	
21	VV	21	178	178	.	.	.	.	.	61	.	.	
22	VV	22	183	183	.	.	.	.	.	117	.	.	
23	VV	23	184	184	.	.	.	.	.	43	.	.	
24	VV	24	192	192	.	.	.	.	.	83	.	.	
25	VV	25	213	213	.	.	.	.	.	63	.	.	
26	VV	26	217	217	.	.	.	.	.	75	.	.	
27	VV	27	225	225	224	-1	1	922	.	130	224	.	
28	VV	28	232	232	232	.	1	871	.	78	232	.	
29	VV	29	237	237	.	.	.	.	.	129	.	.	
30	VV	30	237	237	.	.	.	.	.	75	.	.	
31	VV	31	238	238	.	.	.	.	.	83	.	.	
32	VV	32	254	254	.	.	.	.	.	63	.	.	
33	VV	33	280	279	.	.	.	.	.	173	.	.	
34	VV	34	286	285	.	.	.	.	.	43	287	.	1
35	VV	35	310	311	313	2	1	903	.	43	313	.	1
36	VV	36	316	317	.	.	.	.	.	166	315	.	1
37	VV	37	316	317	.	.	.	.	.	83	.	.	
38	VV	38	336	337	.	.	.	.	.	92	335	.	1
39	VV	39	354	355	.	.	.	.	.	112	.	.	
40	VV	40	385	386	.	.	.	.	.	91	385	.	1
41	VV	41	441	442	.	.	.	.	.	104	441	.	1
42	VV	42	458	459	.	.	.	.	.	106	458	.	1
43	VV	43	-254	254	.	.	.	.	.	109	.	.	

Quantitation Report File: V9010421

Data: V9010421.TI
01/16/89 11:18:00
Sample: 8901JC03 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

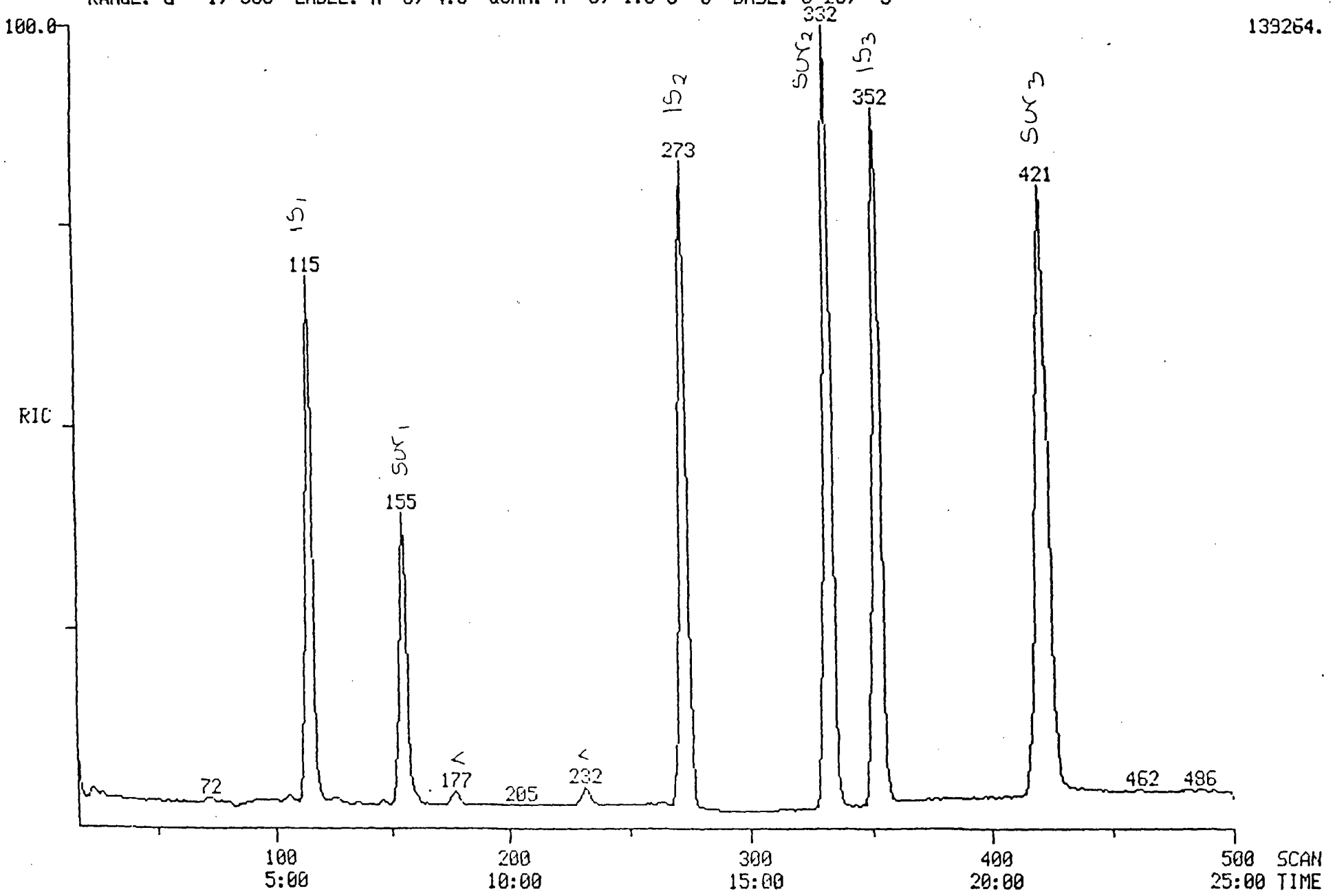
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	48845.	50.000 UG/L	11.09
2	114	273	13:39	2	1.000	A BB	181319.	50.000 UG/L	11.09
3	117	352	17:36	3	1.000	A BB	152515.	50.000 UG/L	11.09
4	65	155	7:45	1	1.348	A BB	47136.	97.426 %	21.61
5	98	332	16:36	3	0.943	A BB	198595.	100.954 %	22.40
6	95	421	21:03	3	1.196	A BB	137290.	102.375 %	22.71

RIC
01/16/89 11:53:00
SAMPLE: 8901JC04 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010422 #1
CALI: V9010422 #3

SCANS 15 TO 500



PROCEDURE: TCA
DATA FILE: V9010422
REFERENCE: TAB11
NAME LIST: VMASTER
REPORT: VSTDS

DIAGNOSTIC REPORT

1/16/89 12:2

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	1	56	VSTDS/V2
3	3	1	53	11	6	1	295	VSTDS/V3
3	3	1	53	11	4	1	41	VSTDS/V4
3	3	1	53	12	4	2	211	VSTDS/V5

43 COMPOUNDS PROCESSED, 17 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ----			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PI
1	VV	1	115	115	115	.	1	991	.	128	115	.	
2	VV	2	273	273	273	.	1	995	.	114	273	.	
3	VV	3	353	352	352	.	1	991	.	117	352	.	
4	VV	4	156	156	155	-1	1	973	.	65	155	.	
5	VV	5	333	332	332	.	1	999	.	98	332	.	
6	VV	6	422	421	421	.	1	989	.	95	421	.	
7	VV	7	22	22	.	.	.	.	.	50	22	.	
8	VV	8	32	32	.	.	.	.	.	94	.	.	
9	VV	9	-37	37	.	.	.	.	.	62	.	.	
10	VV	10	48	48	.	.	.	.	.	64	.	.	
11	VV	11	73	72	72	.	1	964	.	49	72	.	
12	VV	12	77	76	77	1	1	1000	.	43	77	.	
13	VV	13	92	91	.	.	.	.	.	76	.	.	
14	VV	14	99	98	.	.	.	.	.	101	97	.	
15	VV	15	107	106	106	.	1	994	.	61	106	.	
16	VV	16	127	126	126	.	1	946	.	63	126	.	
17	VV	17	136	135	136	1	1	956	.	61	136	.	
18	VV	18	147	146	146	.	1	949	.	83	146	.	
19	VV	19	157	155	.	.	.	.	.	62	155	.	
20	VV	20	155	153	154	1	1	991	.	43	154	.	
21	VV	21	178	176	177	1	1	987	.	61	177	.	
22	VV	22	183	181	176	-5	1	920	.	117	177	1	
23	VV	23	184	182	.	.	.	.	.	43	.	.	
24	VV	24	192	190	.	.	.	.	.	83	.	.	
25	VV	25	213	211	.	.	.	.	.	63	.	.	
26	VV	26	217	215	.	.	.	.	.	75	217	.	
27	VV	27	225	225	.	.	.	.	.	130	224	.	
28	VV	28	232	232	232	.	1	996	.	78	232	.	
29	VV	29	237	237	.	.	.	.	.	129	.	.	
30	VV	30	237	237	.	.	.	.	.	75	.	.	
31	VV	31	238	238	.	.	.	.	.	83	.	.	
32	VV	32	254	254	.	.	.	.	.	63	.	.	
33	VV	33	280	280	.	.	.	.	.	173	.	.	
34	VV	34	286	286	.	.	.	.	.	43	286	.	
35	VV	35	310	311	313	2	2	881	.	43	.	.	
36	VV	36	316	317	.	.	.	.	.	166	.	.	
37	VV	37	316	317	.	.	.	.	.	83	.	.	
38	VV	38	336	337	.	.	.	.	.	92	335	.	
39	VV	39	354	355	.	.	.	.	.	112	.	.	
40	VV	40	385	386	.	.	.	.	.	91	385	.	
41	VV	41	441	442	.	.	.	.	.	104	441	.	
42	VV	42	458	459	.	.	.	.	.	106	.	.	
43	VV	43	-254	254	.	.	.	.	.	109	.	.	

Quantitation Report File: V9010422

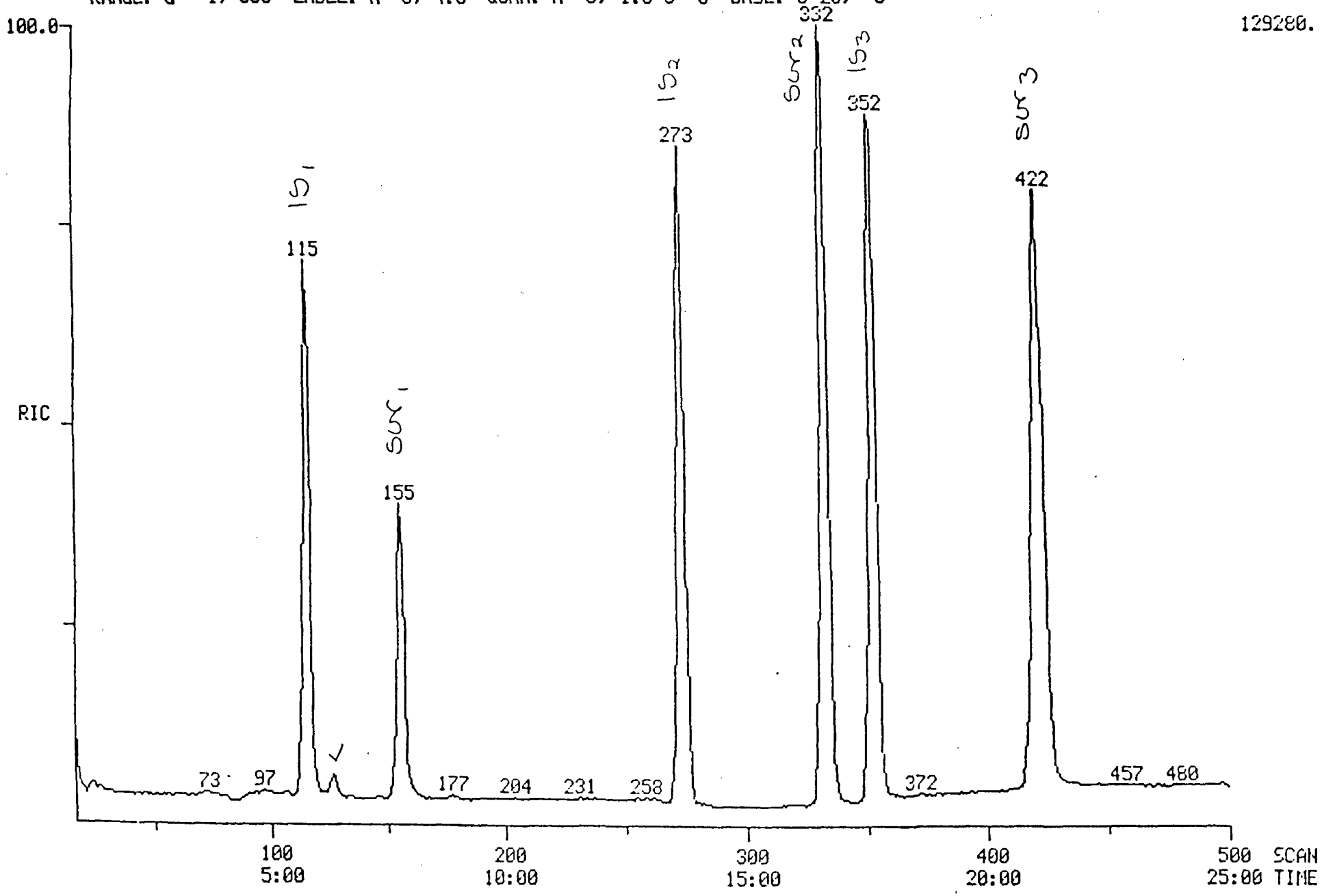
Data: V9010422.TI
01/16/89 11:53:00
Sample: 8901JC04 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	46655.	50.000 UG/L	10.97
2	114	273	13:39	2	1.000	A BB	178702.	50.000 UG/L	10.97
3	117	352	17:36	3	1.000	A BB	145290.	50.000 UG/L	10.97
4	65	155	7:45	1	1.348	A BB	45372.	98.182 %	21.54
5	98	332	16:36	3	0.943	A BB	191288.	102.076 %	22.39
6	95	421	21:03	3	1.196	A BB	134927.	105.617 %	23.17

DATA: V9010423 #1 SCANS 15 TO 500
01/16/89 12:29:00 CALI: V9010423 #3
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 12:5

DATA FILE: V9010423
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	2	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	2	71	VSTDS/V2
3	3	1	53	11	5	1	59	VSTDS/V3
3	3	1	53	11	5	1	119	VSTDS/V4
3	3	1	53	12	3	1	53	VSTDS/V5

43 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO -----		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PE
1	VV	1	115	115	115	.	1	993	.	128	115	.
2	VV	2	273	273	273	.	1	998	.	114	273	.
3	VV	3	353	352	352	.	1	993	.	117	352	.
4	VV	4	156	156	155	-1	1	975	.	65	155	.
5	VV	5	333	332	332	.	1	1000	.	98	332	.
6	VV	6	422	421	421	.	2	988	.	95	422	1
7	VV	7	22	22	.	.	.	.	.	50	.	.
8	VV	8	32	32	.	.	.	.	.	94	34	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.
11	VV	11	73	72	72	.	1	995	.	49	72	.
12	VV	12	77	76	77	1	1	996	.	43	77	.
13	VV	13	92	91	.	.	.	.	.	76	.	.
14	VV	14	99	98	97	-1	1	898	.	101	98	1
15	VV	15	107	106	106	.	1	956	.	61	106	.
16	VV	16	127	126	126	.	1	995	.	63	126	.
17	VV	17	136	135	.	.	.	.	.	61	.	.
18	VV	18	147	146	146	.	2	936	.	83	146	.
19	VV	19	157	157	.	.	.	.	.	62	155	.
20	VV	20	155	155	154	-1	1	996	.	43	154	.
21	VV	21	178	178	178	.	1	959	.	61	177	-1
22	VV	22	183	183	.	.	.	.	.	117	.	.
23	VV	23	184	184	.	.	.	.	.	43	.	.
24	VV	24	192	192	.	.	.	.	.	83	.	.
25	VV	25	213	213	.	.	.	.	.	63	.	.
26	VV	26	217	217	.	.	.	.	.	75	.	.
27	VV	27	225	225	225	.	1	850	.	130	.	.
28	VV	28	232	232	234	2	1	884	.	78	233	-1
29	VV	29	237	237	.	.	.	.	.	129	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.
34	VV	34	286	286	.	.	.	.	.	43	284	.
35	VV	35	310	309	.	.	.	.	.	43	310	.
36	VV	36	316	315	.	.	.	.	.	166	.	.
37	VV	37	316	315	.	.	.	.	.	83	.	.
38	VV	38	336	335	.	.	.	.	.	92	335	.
39	VV	39	354	353	.	.	.	.	.	112	354	.
40	VV	40	385	384	.	.	.	.	.	91	384	.
41	VV	41	441	440	.	.	.	.	.	104	.	.
42	VV	42	458	457	.	.	.	.	.	106	456	.
43	VV	43	-254	254	.	.	.	.	.	109	.	.

Quantitation Report File: V9010423

Data: V9010423.TI
01/16/89 12:29:00
Sample: 8901JC07 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

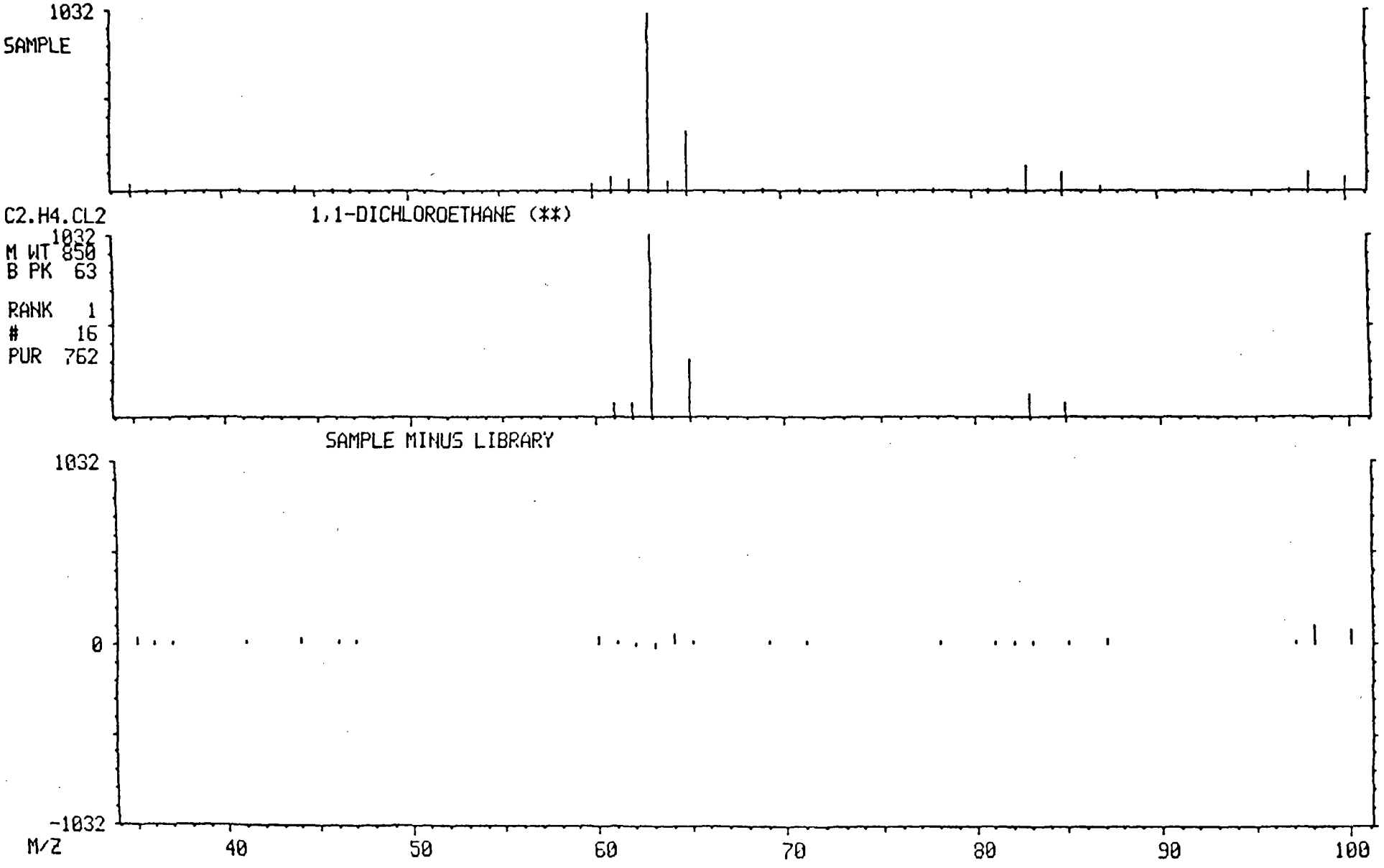
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHANE (**)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	44129.	50.000 UG/L	10.92
2	114	273	13:39	2	1.000	A BB	168627.	50.000 UG/L	10.92
3	117	352	17:36	3	1.000	A BB	137661.	50.000 UG/L	10.92
4	65	155	7:45	1	1.348	A BB	43735.	100.057 %	21.86
5	98	332	16:36	3	0.943	A BB	180718.	101.779 %	22.23
6	95	422	21:06	3	1.199	A BB	125129.	103.374 %	22.58
7	63	126	6:18	1	1.096	A BB	5102.	2.598 UG/L	0.57

MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 12:29:00 + 6:18
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
126 - # 120 - # 133

DATA: V9010423 # 126
CALI: V9010423 # 3

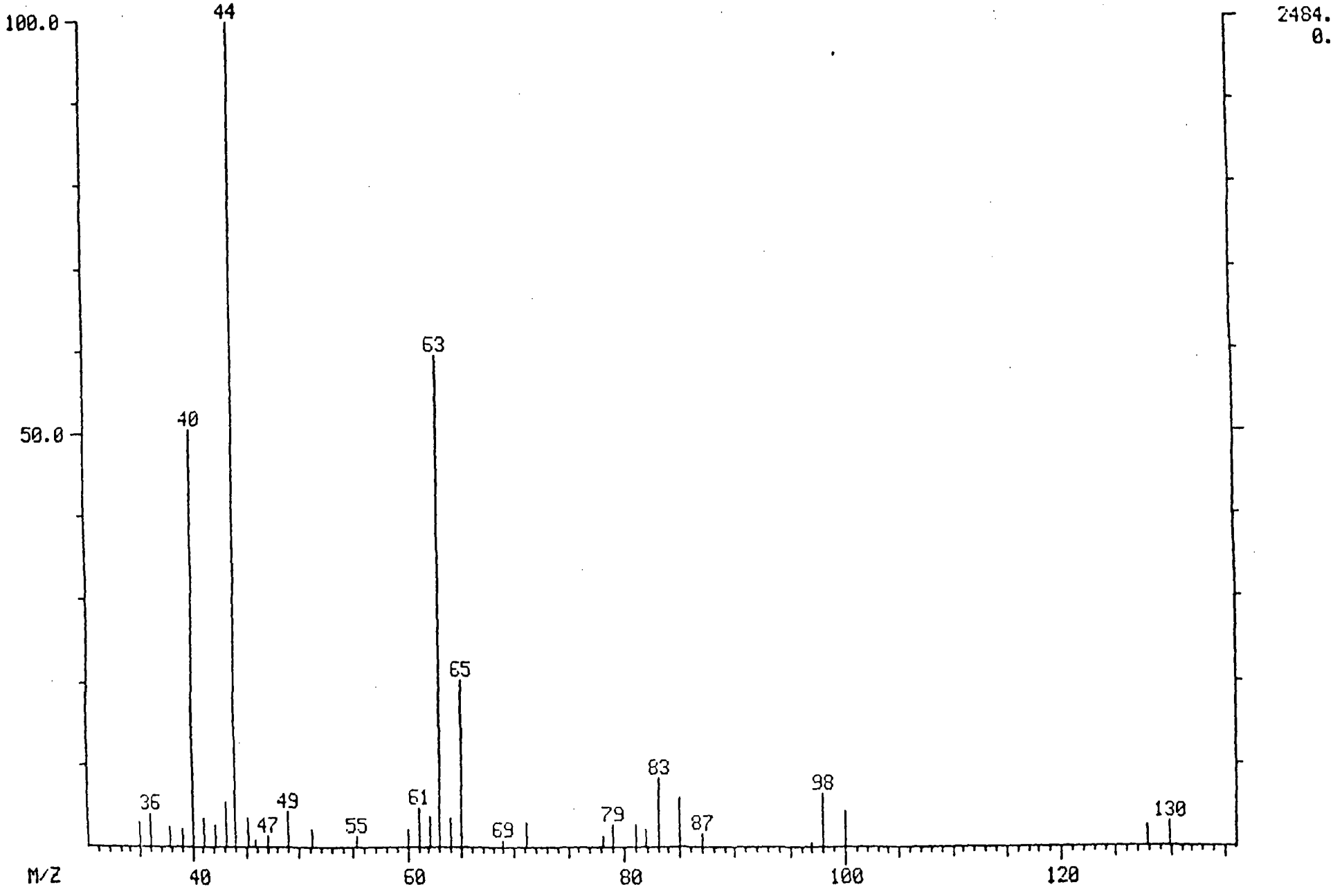
BASE M/Z: 63
RIC: 3264.



MASS SPECTRUM
01/16/89 12:29:00 + 6:18
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010423 #126
CALI: V9010423 #3

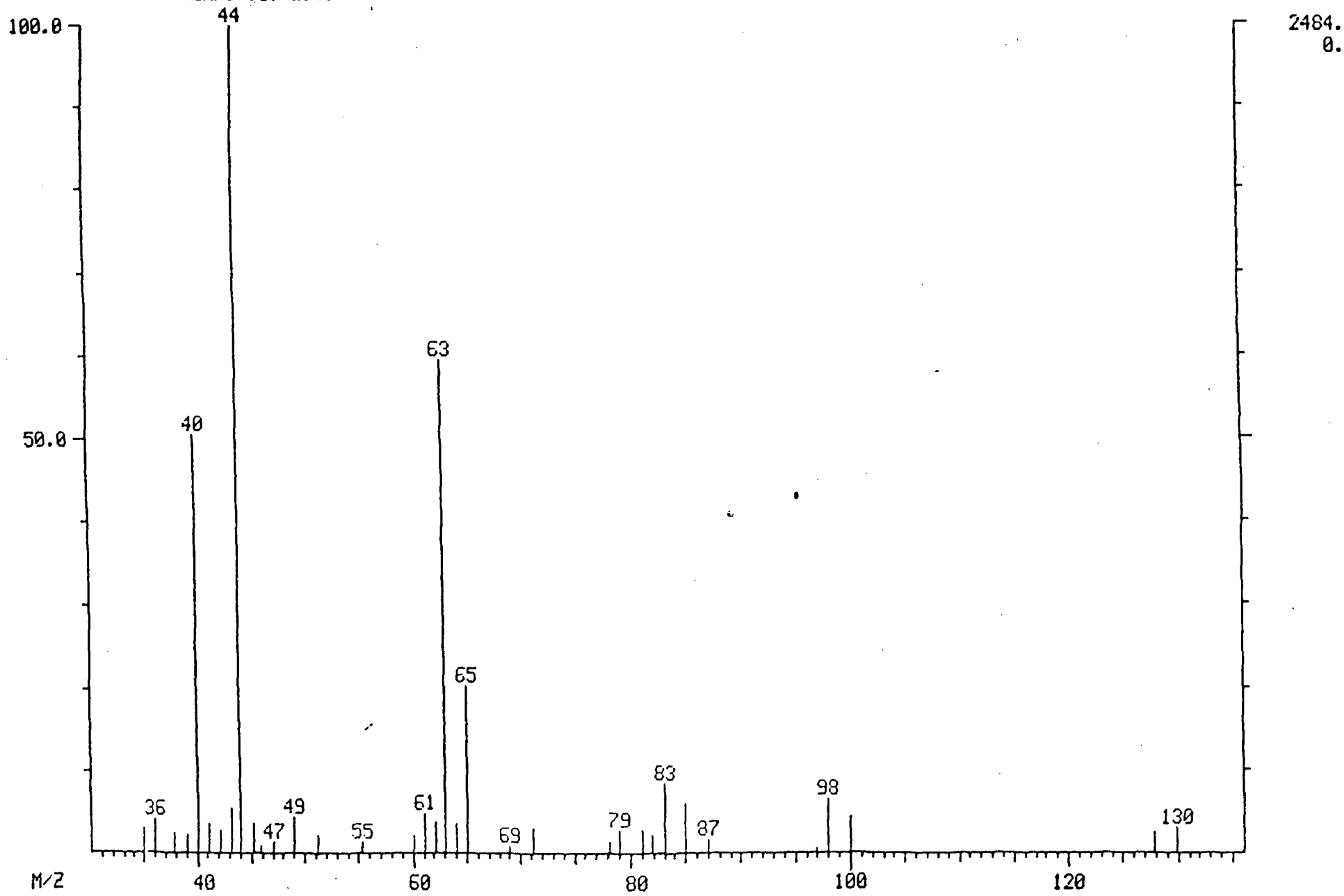
BASE M/Z: 44
RIC: 8112.



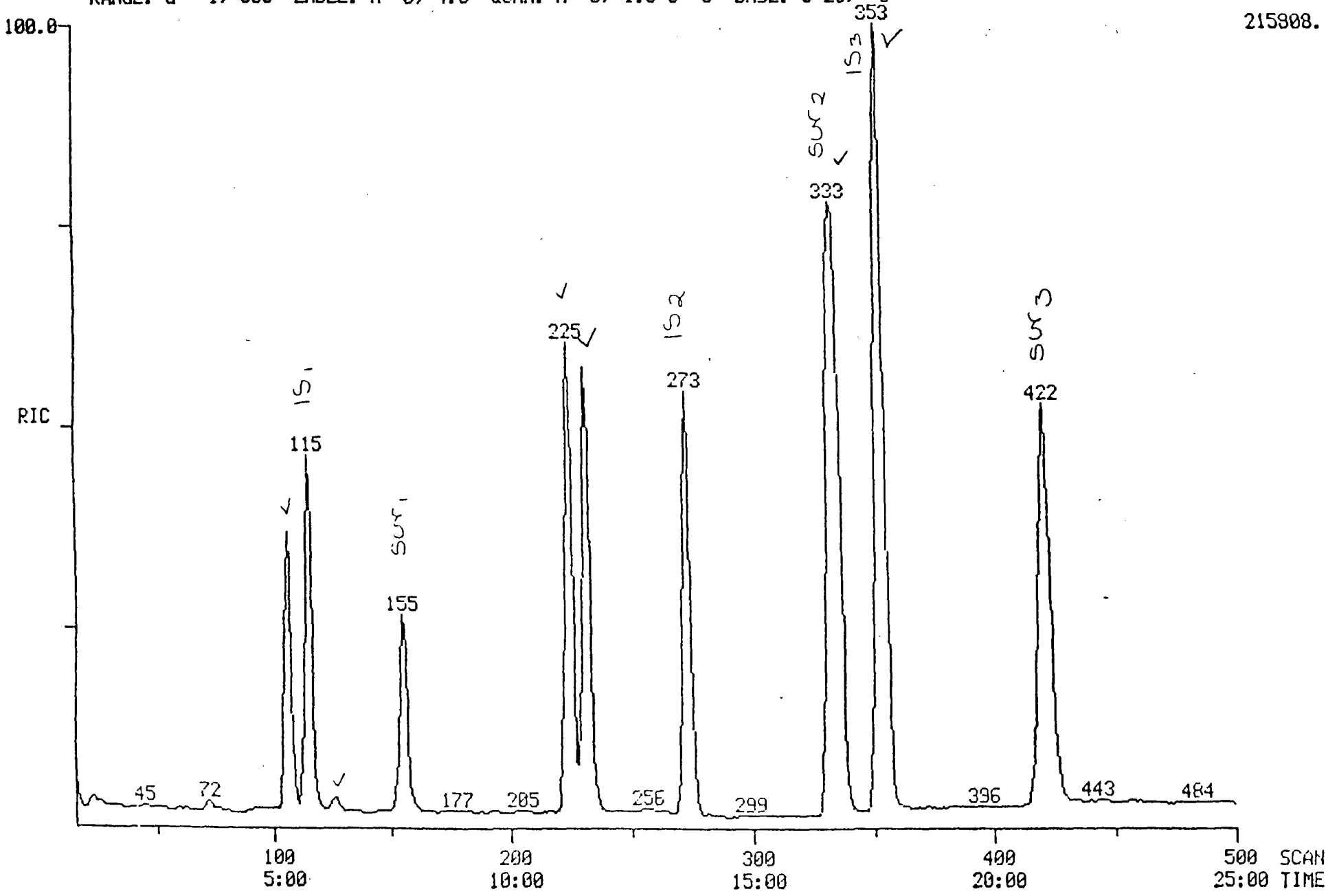
MASS SPECTRUM
01/16/89 12:29:00 + 6:18
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010423 #126
CALI: V9010423 #3

BASE M/Z: 44
RIC: 8112.



DATA: V9010423MS SCANS 15 TO 500
CALI: V9010423MS
6/89 12:58:00
SAMPLE: MATRIX SPIKE (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89-13:34:54
DATA FILE: V9010423MS
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

--- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
OC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	2	61	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	4	53	VSTDS/V2
3	3	1	53	11	5	1	62	VSTDS/V3
3	3	1	53	11	6	2	78	VSTDS/V4
3	3	1	53	12	7	4	81	VSTDS/V5

43 COMPOUNDS PROCESSED, 21 FOUND

< COMPOUND		><	---------- SEARCH ----------					>< SAT	>< ------ CHRO -------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	996	.	128	115	.	1
2	VV	2	273	273	273	.	1	997	.	114	273	.	1
3	VV	3	353	352	352	.	1	993	.	117	352	.	1
4	VV	4	156	156	155	-1	1	976	.	65	155	.	1
5	VV	5	333	332	332	.	1	998	.	98	332	.	1
6	VV	6	422	421	422	1	2	992	.	95	422	.	1
7	VV	7	22	22	.	.	.	.	.	50	23	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	1000	.	49	72	.	1
12	VV	12	77	76	77	1	4	995	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	.	.	.
14	VV	14	99	98	98	.	1	855	.	101	98	.	1
15	VV	15	107	106	106	.	1	990	.	61	106	.	1
16	VV	16	127	126	126	.	1	995	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	136	.	1
18	VV	18	147	146	146	.	1	938	.	83	146	.	1
19	VV	19	157	156	.	.	.	.	.	62	156	.	1
20	VV	20	155	154	154	.	1	996	.	43	154	.	1
21	VV	21	178	177	177	.	1	917	.	61	177	.	1
[illegible]	VV	22	183	182	.	.	.	.	.	117	.	.	.
[illegible]	VV	23	184	183	.	.	.	.	.	43	.	.	.
[illegible]	VV	24	192	191	.	.	.	.	.	83	.	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	225	.	1	996	.	130	225	.	1
28	VV	28	232	232	232	.	2	997	.	78	232	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	284	-1	1	851	.	43	.	.	.
35	VV	35	310	310	309	-1	1	869	.	43	311	2	1
36	VV	36	316	316	.	.	.	.	.	166	.	.	.
37	VV	37	316	316	.	.	.	.	.	83	318	.	1
38	VV	38	336	336	335	-1	1	998	.	92	335	.	1
39	VV	39	354	354	354	.	2	992	.	112	354	.	1
40	VV	40	385	385	.	.	.	.	.	91	384	.	1
41	VV	41	441	441	.	.	.	.	.	104	441	.	1
42	VV	42	458	458	459	1	2	926	.	106	458	-1	1
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010423MS

Data: V9010423MS.TI
01/16/89 12:58:00
Sample: MATRIX SPIKE (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

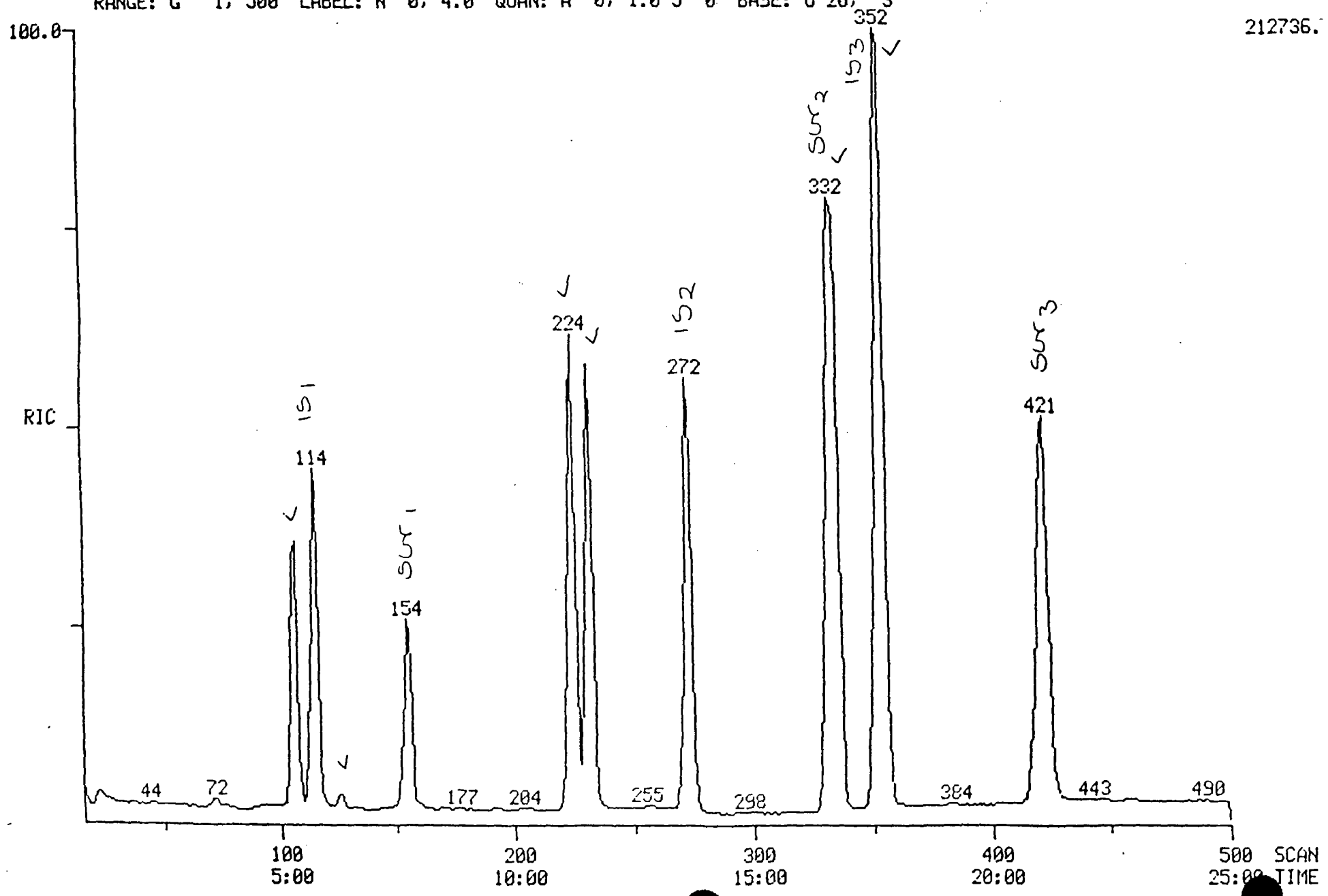
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHENE (*)
8	1,1-DICHLOROETHANE (**)
9	TRICHLOROETHENE
10	BENZENE
11	TOLUENE (*)
12	CHLOROBENZENE (**)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	48596.	50.000	UG/L	7.22
2	114	273	13:39	2	1.000	A BB	180062.	50.000	UG/L	7.22
3	117	352	17:36	3	1.000	A BB	154875.	50.000	UG/L	7.22
4	65	155	7:45	1	1.348	A BB	47514.	98.710	%	14.26
5	98	332	16:36	3	0.943	A BB	199112.	99.674	%	14.40
6	95	422	21:06	3	1.199	A BB	137162.	100.721	%	14.55
7	61	106	5:18	1	0.922	A BB	77392.	45.546	UG/L	6.58
8	63	126	6:18	1	1.096	A BB	4896.	2.264	UG/L	0.33
9	130	225	11:15	2	0.824	A BB	91098.	45.962	UG/L	6.64
10	78	232	11:36	2	0.850	A BB	192932.	50.615	UG/L	7.31
11	92	335	16:45	3	0.952	A BB	121560.	49.651	UG/L	7.17
12	112	354	17:42	3	1.006	A BB	165620.	49.227	UG/L	7.1[illegible]

RIC
01/16/89 13:42:00
SAMPLE: MATRIX SPIKE DUP (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010423SD #2 SCANS 15 TO 500
CALI: V9010423SD #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 14
DATA FILE: V9010423SD
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	61	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	6	65	VSTDS/V2
3	3	1	53	11	5	1	31	VSTDS/V3
3	3	1	53	11	5	1	35	VSTDS/V4
3	3	1	53	12	7	2	56	VSTDS/V5

43 COMPOUNDS PROCESSED, 20 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ---		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA
1	VV	1	115	114	114	.	1	994	.	128	114	.
2	VV	2	273	272	272	.	1	1000	.	114	272	.
3	VV	3	353	351	351	.	1	993	.	117	351	.
4	VV	4	156	155	154	-1	1	973	.	65	154	.
5	VV	5	333	331	331	.	1	999	.	98	331	.
6	VV	6	422	420	421	1	1	993	.	95	421	.
7	VV	7	22	21	.	.	.	.	.	50	22	.
8	VV	8	32	31	.	.	.	.	.	94	.	.
9	VV	9	-37	36	.	.	.	.	.	62	.	.
10	VV	10	48	47	.	.	.	.	.	64	.	.
11	VV	11	73	72	72	.	1	996	.	49	72	.
12	VV	12	77	76	77	1	3	1000	.	43	77	.
13	VV	13	92	91	.	.	.	.	.	76	.	.
14	VV	14	99	98	97	-1	1	852	.	101	97	.
15	VV	15	107	106	106	.	1	994	.	61	106	.
16	VV	16	127	126	126	.	2	998	.	63	126	.
17	VV	17	136	135	.	.	.	.	.	61	.	.
18	VV	18	147	146	145	-1	1	860	.	83	145	.
19	VV	19	157	156	.	.	.	.	.	62	155	.
20	VV	20	155	154	154	.	1	997	.	43	154	.
21	VV	21	178	177	177	.	1	911	.	61	177	.
22	VV	22	183	182	.	.	.	.	.	117	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.
27	VV	27	225	224	224	.	1	995	.	130	224	.
28	VV	28	232	231	231	.	1	996	.	78	231	.
29	VV	29	237	236	.	.	.	.	.	129	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.
31	VV	31	238	237	.	.	.	.	.	83	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.
34	VV	34	286	285	.	.	.	.	.	43	.	.
35	VV	35	310	309	.	.	.	.	.	43	.	.
36	VV	36	316	315	.	.	.	.	.	166	.	.
37	VV	37	316	315	.	.	.	.	.	83	.	.
38	VV	38	336	335	334	-1	1	998	.	92	334	.
39	VV	39	354	353	353	.	1	995	.	112	353	.
40	VV	40	385	383	383	.	1	893	.	91	383	.
41	VV	41	441	439	.	.	.	.	.	104	.	.
42	VV	42	458	456	457	1	2	922	.	106	458	1
43	VV	43	-254	253	.	.	.	.	.	109	.	.

Quantitation Report File: V9010423SD

Data: V9010423SD.TI
01/16/89 13:42:00
Sample: MATRIX SPIKE DUP (5ML)
Cmds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

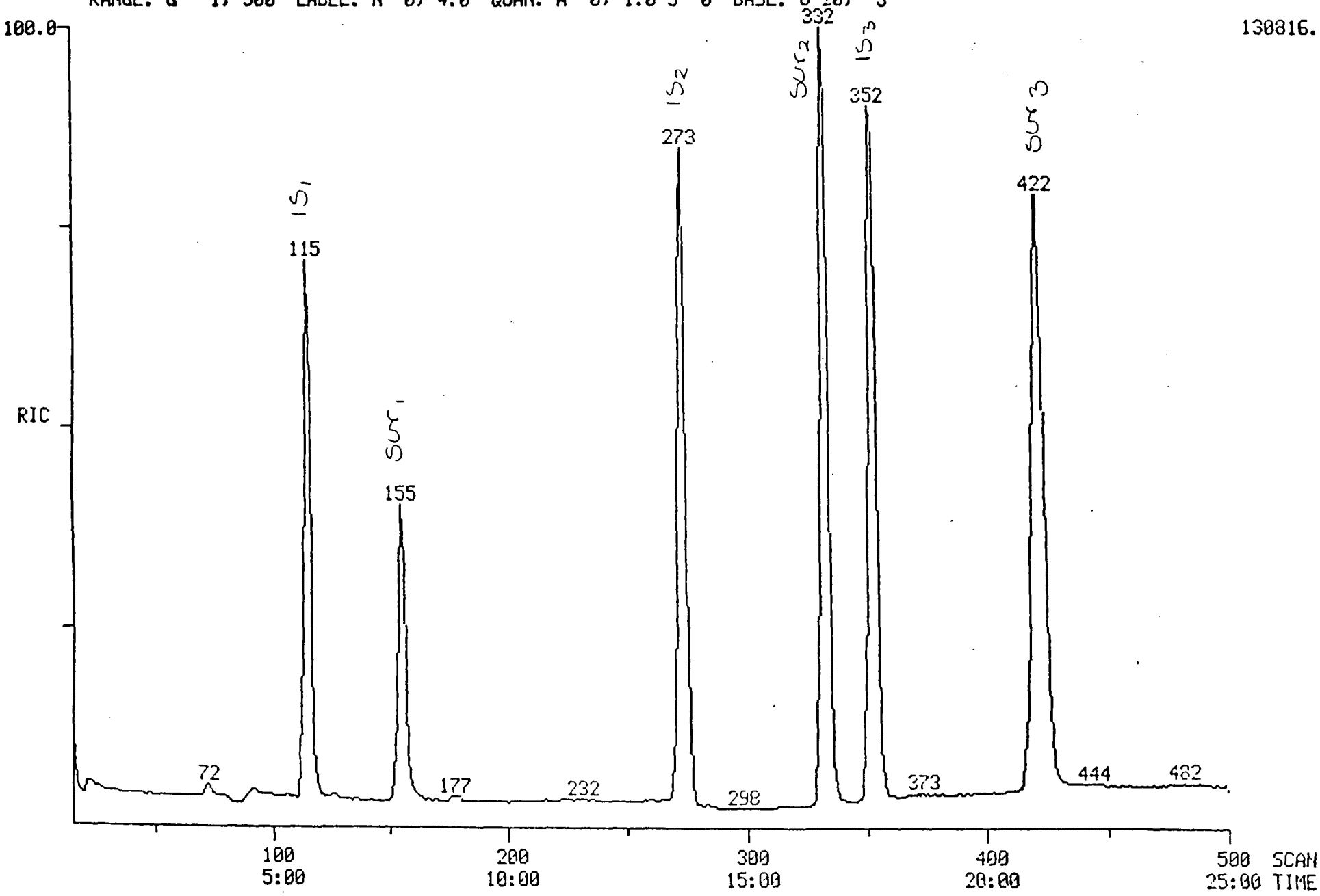
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (6S1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHENE (*)
8	1,1-DICHLOROETHANE (**)
9	TRICHLOROETHENE
10	BENZENE
11	TOLUENE (*)
12	CHLOROBENZENE (**)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47658.	50.000	UG/L	7.20
2	114	272	13:36	2	1.000	A BB	183319.	50.000	UG/L	7.20
3	117	351	17:33	3	1.000	A BB	151310.	50.000	UG/L	7.20
4	65	154	7:42	1	1.351	A BB	46758.	99.051	%	14.27
5	98	331	16:33	3	0.943	A BB	199027.	101.979	%	14.69
6	95	421	21:03	3	1.199	A BB	134603.	101.170	%	14.58
7	61	106	5:18	1	0.930	A BB	76947.	46.176	UG/L	6.65
8	63	126	6:18	1	1.105	A BB	4640.	2.187	UG/L	0.32
9	130	224	11:12	2	0.824	A BB	89970.	44.586	UG/L	6.42
10	78	231	11:33	2	0.849	A BB	191324.	49.301	UG/L	7.10
11	92	334	16:42	3	0.952	A BB	119367.	49.904	UG/L	7.19
12	112	353	17:39	3	1.006	A BB	163274.	49.673	UG/L	7.16

DATA: V9010424 #1 SCANS 15 TO 500
CALI: V9010424

/16/89 14:20:00
MPLE: 8901JC08 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

130816.



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 14:4
DATA FILE: V9010424
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	2	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	7	1	58	VSTDS/V2
3	3	1	53	11	5	1	62	VSTDS/V3
3	3	1	53	11	5	1	35	VSTDS/V4
3	3	1	53	12	4	2	147	VSTDS/V5

43 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO -----		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PE
1	VV	1	115	115	115	.	1	994	.	128	115	.
2	VV	2	273	273	273	.	1	998	.	114	273	.
3	VV	3	353	352	352	.	1	988	.	117	352	.
4	VV	4	156	156	155	-1	1	974	.	65	155	.
5	VV	5	333	332	332	.	1	999	.	98	332	.
6	VV	6	422	421	421	.	2	986	.	95	422	1
7	VV	7	22	22	.	.	.	.	.	50	22	.
8	VV	8	32	32	.	.	.	.	.	94	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.
11	VV	11	73	72	72	.	1	995	.	49	72	.
12	VV	12	77	76	77	1	1	997	.	43	77	.
13	VV	13	92	91	.	.	.	.	.	76	91	.
14	VV	14	99	98	.	.	.	.	.	101	97	.
15	VV	15	107	106	106	.	1	889	.	61	106	.
16	VV	16	127	126	126	.	1	907	.	63	126	.
17	VV	17	136	135	.	.	.	.	.	61	.	.
18	VV	18	147	146	.	.	.	.	.	83	146	.
19	VV	19	157	156	.	.	.	.	.	62	155	.
20	VV	20	155	154	154	.	1	988	.	43	154	.
21	VV	21	178	177	177	.	1	964	.	61	178	1
22	VV	22	183	182	.	.	.	.	.	117	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.
27	VV	27	225	225	225	.	1	916	.	130	225	.
28	VV	28	232	232	232	.	1	972	.	78	232	.
29	VV	29	237	237	.	.	.	.	.	129	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.
34	VV	34	286	286	.	.	.	.	.	43	.	.
35	VV	35	310	309	307	-2	2	856	.	43	.	.
36	VV	36	316	315	.	.	.	.	.	166	316	.
37	VV	37	316	315	.	.	.	.	.	83	.	.
38	VV	38	336	334	.	.	.	.	.	92	335	.
39	VV	39	354	352	.	.	.	.	.	112	354	.
40	VV	40	385	383	.	.	.	.	.	91	384	.
41	VV	41	441	439	.	.	.	.	.	104	439	.
42	VV	42	458	456	.	.	.	.	.	106	.	.
43	VV	43	-254	253	.	.	.	.	.	109	.	.

Quantitation Report File: V9010424

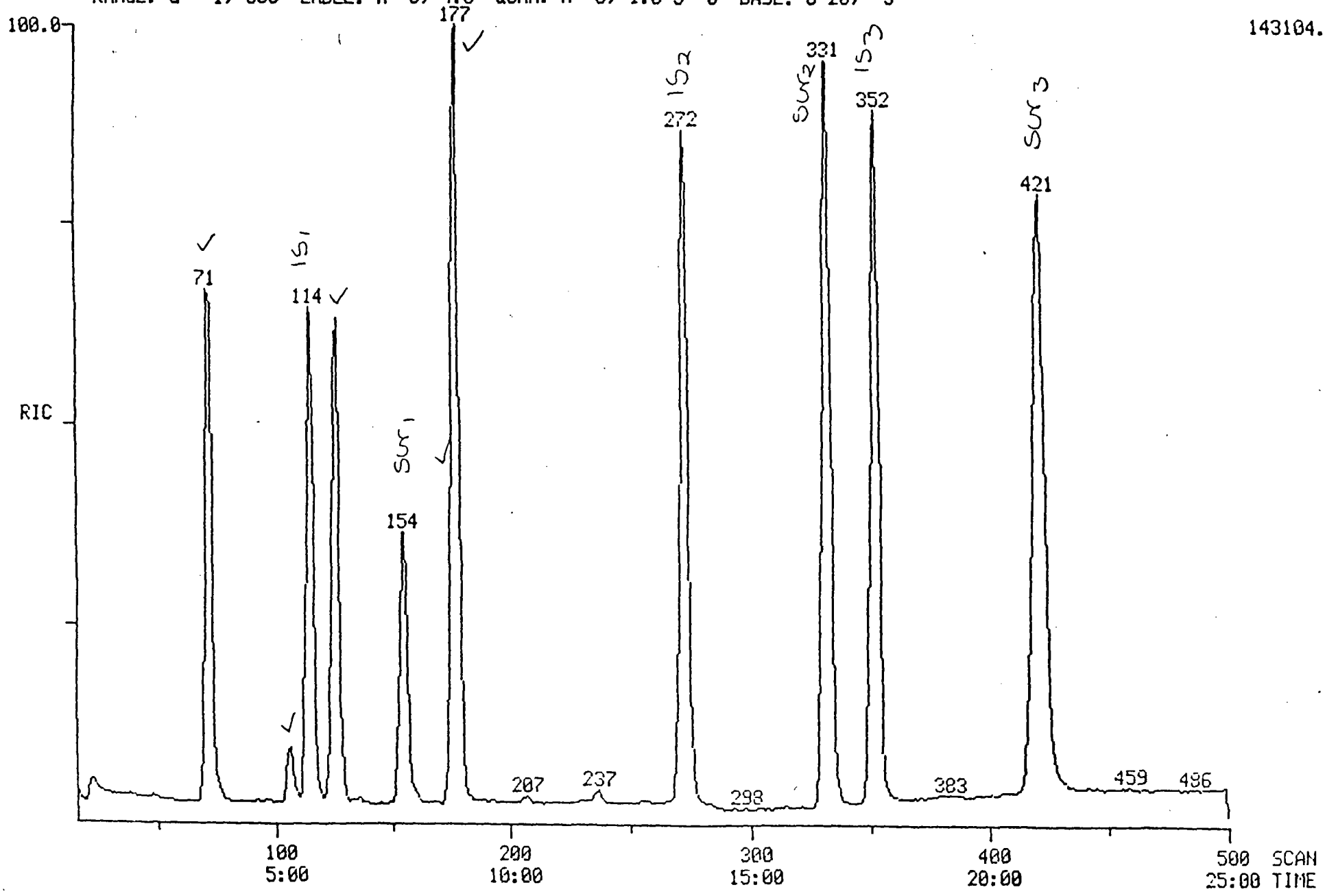
Data: V9010424.TI
01/16/89 14:20:00
Sample: 8901JC08 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	44130.	50.000 UG/L	10.97
2	114	273	13:39	2	1.000	A BB	169888.	50.000 UG/L	10.97
3	117	352	17:36	3	1.000	A BB	138817.	50.000 UG/L	10.97
4	65	155	7:45	1	1.348	A BB	44178.	101.068 %	22.16
5	98	332	16:36	3	0.943	A BB	181062.	101.123 %	22.18
6	95	422	21:06	3	1.199	A BB	126703.	103.803 %	22.76

CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 17:23:34
DATA FILE: V9010425
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	57	VSTDS/VSURR
3	3	1	0	7	4	1	0	VSTDS/V1
3	3	1	0	11	9	1	714	VSTDS/V2
3	3	1	0	11	7	1	315	VSTDS/V3
3	3	1	0	11	7	1	96	VSTDS/V4
3	3	1	0	12	6	2	57	VSTDS/V5

43 COMPOUNDS PROCESSED, 24 FOUND

COMPOUND			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	114	114	.	1	994	.	128	114	.	1
2	VV	2	273	272	272	.	1	998	.	114	272	.	1
3	VV	3	353	352	352	.	1	994	.	117	351	-1	1
4	VV	4	156	155	154	-1	1	974	.	65	155	1	1
5	VV	5	333	332	331	-1	1	998	.	98	331	.	1
6	VV	6	422	421	421	.	1	995	.	95	421	.	1
7	VV	7	22	21	.	.	.	.	.	50	22	.	1
8	VV	8	32	31	.	.	.	.	.	94	.	.	.
9	VV	9	-37	36	.	.	.	.	.	62	38	.	1
10	VV	10	48	47	47	.	1	934	.	64	47	.	1
11	VV	11	73	69	71	2	1	997	.	49	72	1	1
12	VV	12	77	73	76	3	1	997	.	43	76	.	1
13	VV	13	92	89	.	.	.	.	.	76	.	.	.
14	VV	14	99	96	.	.	.	.	.	101	97	.	1
15	VV	15	107	104	106	2	1	991	.	61	106	.	1
16	VV	16	127	124	126	2	1	996	.	63	126	.	1
17	VV	17	136	133	136	3	1	976	.	61	136	.	1
18	VV	18	147	144	126	-18	1	986	.	83	126	.	1
19	VV	19	157	154	.	.	.	.	.	62	156	.	1
20	VV	20	155	152	154	2	1	996	.	43	154	.	1
21	VV	21	178	175	177	2	1	998	.	61	177	.	1
22	VV	22	183	180	176	-4	1	986	.	117	176	.	1
23	VV	23	184	181	177	-4	1	899	.	43	177	.	1
24	VV	24	192	189	.	.	.	.	.	83	.	.	.
25	VV	25	213	210	.	.	.	.	.	63	.	.	.
26	VV	26	217	214	.	.	.	.	.	75	.	.	.
27	VV	27	225	224	224	.	1	922	.	130	224	.	1
28	VV	28	232	231	232	1	1	989	.	78	232	.	1
29	VV	29	237	236	.	.	.	.	.	129	.	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.	.
31	VV	31	238	237	237	.	1	993	.	83	237	.	1
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	283	-2	1	900	.	43	.	.	.
35	VV	35	310	309	.	.	.	.	.	43	.	.	.
36	VV	36	316	315	314	-1	1	870	.	166	315	1	1
37	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	335	334	-1	1	932	.	92	334	.	1
39	VV	39	354	353	.	.	.	.	.	112	353	.	1
40	VV	40	385	384	.	.	.	.	.	91	383	.	1
41	VV	41	441	440	.	.	.	.	.	104	441	.	1
42	VV	42	458	457	457	.	2	932	.	106	457	.	1
43	VV	43	-254	253	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010425

Data: V9010425.TI
01/16/89 16:47:00
Sample: 8901JC09 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE
~~11~~	~~CARBON TETRACHLORIDE~~

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	114	5:42	1	1.000	A BB	47357.	50.000 UG/L	7.05
2	114	272	13:36	2	1.000	A BB	200124.	50.000 UG/L	7.05
3	117	351	17:33	3	1.000	A BB	149870.	50.000 UG/L	7.05
4	65	155	7:45	1	1.360	A BV	46811.	99.793 %	14.08
5	98	331	16:33	3	0.943	A BB	197383.	102.109 %	14.41
6	95	421	21:03	3	1.199	A BB	137955.	104.686 %	14.77
7	49	72	3:36	1	0.632	A BB	95303.	54.626 UG/L	7.71
8	61	106	5:18	1	0.930	A BB	10951.	6.613 UG/L	0.93
9	63	126	6:18	1	1.105	A BB	142961.	67.824 UG/L	9.57
10	61	177	8:51	2	0.651	A BB	75784.	98.608 UG/L	13.91
11	117	176	8:48	2	0.647	A BB	28824.	~~24.534 UG/L~~	3.46

surrogate

Quantitation Report File: V9010425

Data: V9010425.TI
01/16/89 16:47:00
Sample: 8901JC09 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 10.000
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE
~~11~~	~~CARBON TETRACHLORIDE~~

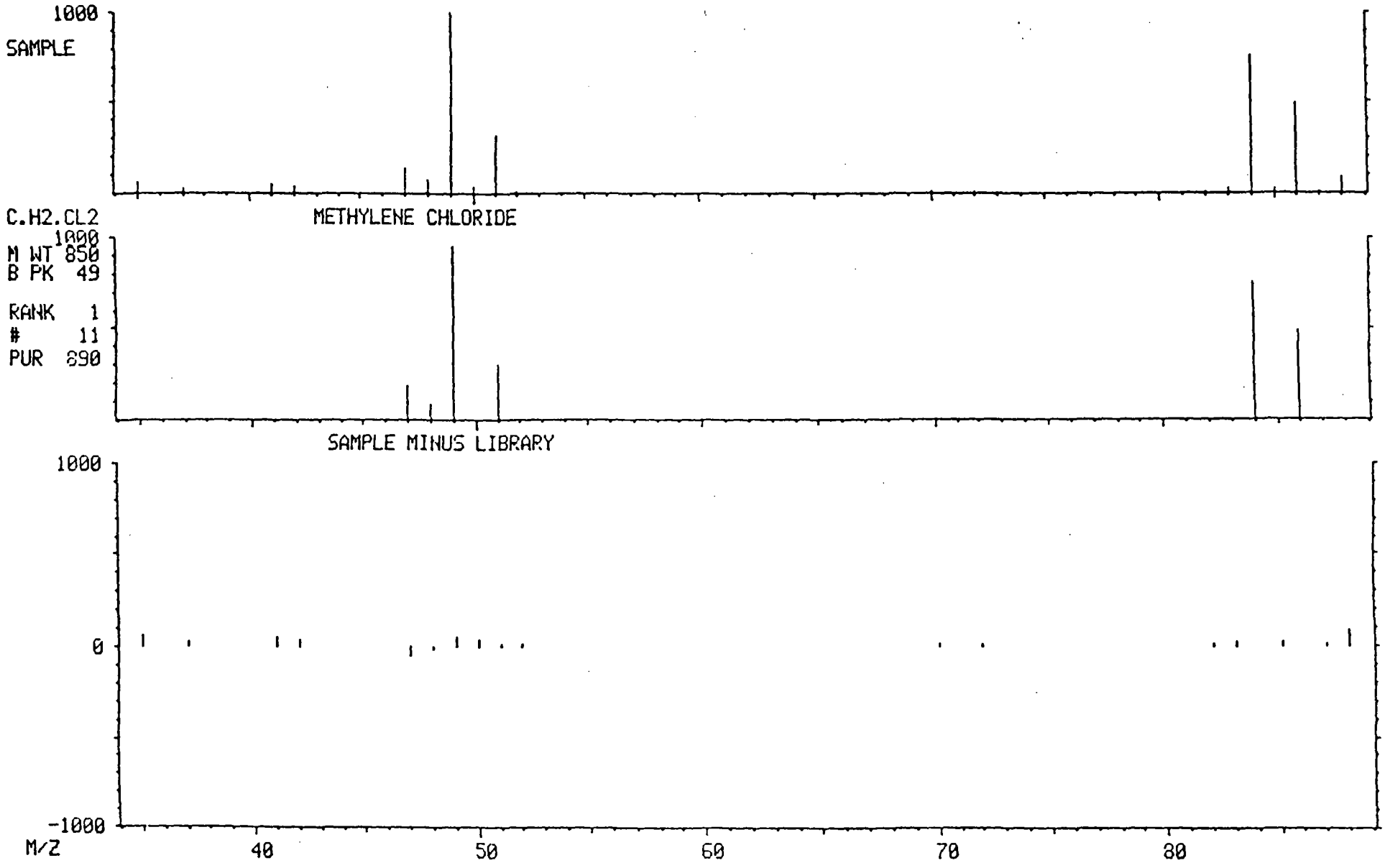
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47357.	500.000	UG/L	7.05
2	114	272	13:36	2	1.000	A BB	200124.	500.000	UG/L	7.05
3	117	351	17:33	3	1.000	A BB	149870.	500.000	UG/L	7.05
4	65	155	7:45	1	1.360	A BV	46811.	997.928	%	14.08
5	98	331	16:33	3	0.943	A BB	197383.	1021.090	%	14.41
6	95	421	21:03	3	1.199	A BB	137955.	1046.860	%	14.77
7	49	72	3:36	1	0.632	A BB	95303.	546.258	UG/L	7.71
8	61	106	5:18	1	0.930	A BB	10951.	66.133	UG/L	0.93
9	63	126	6:18	1	1.105	A BB	142961.	678.244	UG/L	9.57
10	61	177	8:51	2	0.651	A BB	75784.	986.080	UG/L	13.91
11	117	176	8:48	2	0.647	A BB	28824.	~~245.344~~	~~UG/L~~	3.46

Sample

01/16/89 16:47:00 + 3:33
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
71 - # 62 - # 82

DATA: V9010425 # 71
CALI: V9010425 # 3

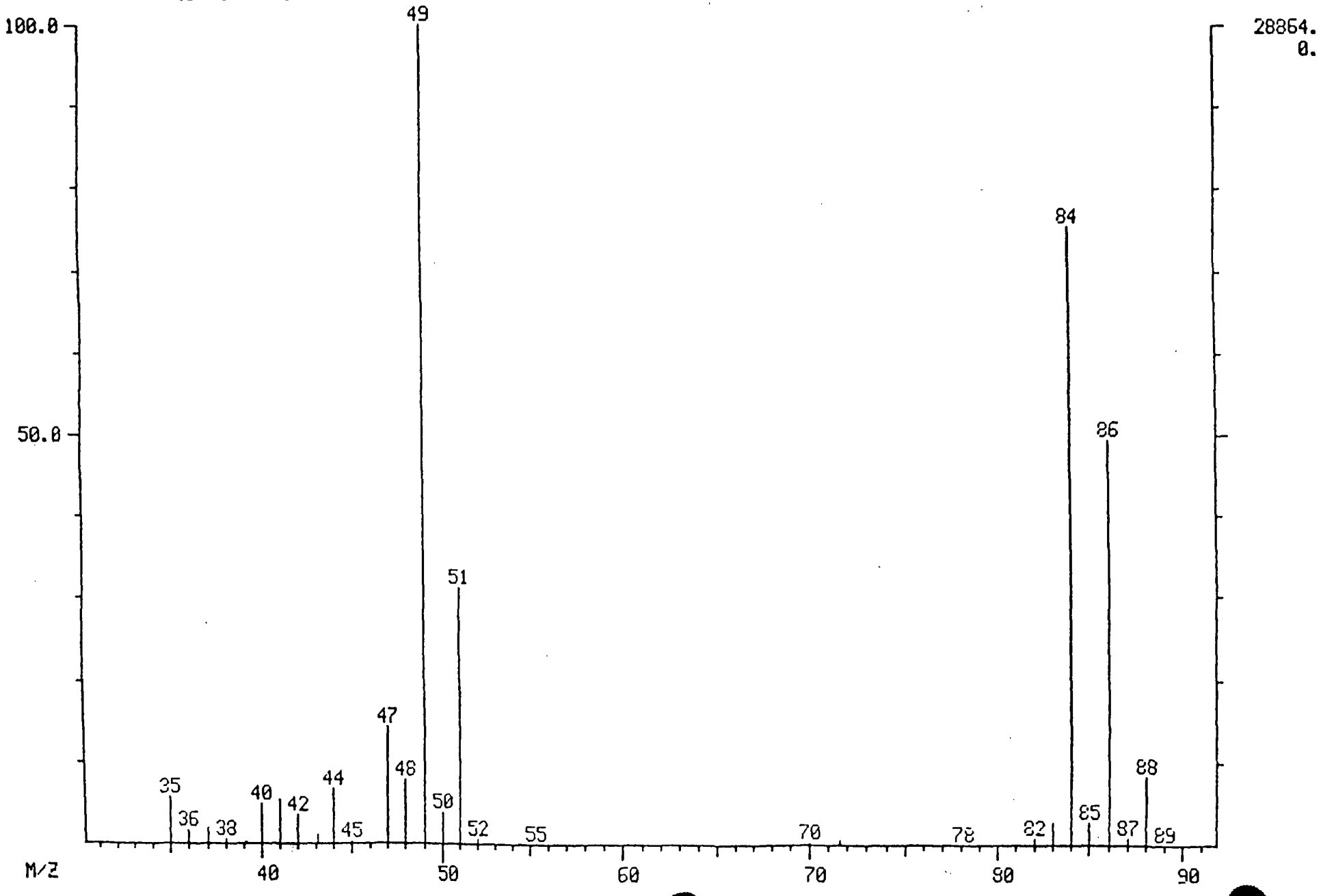
BASE M/Z: 49
RIC: 90880.



MASS SPECTRUM
01/16/89 16:47:00 + 3:33
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 80 DEG. C

DATA: V9010425 #71
CALI: V9010425 #3

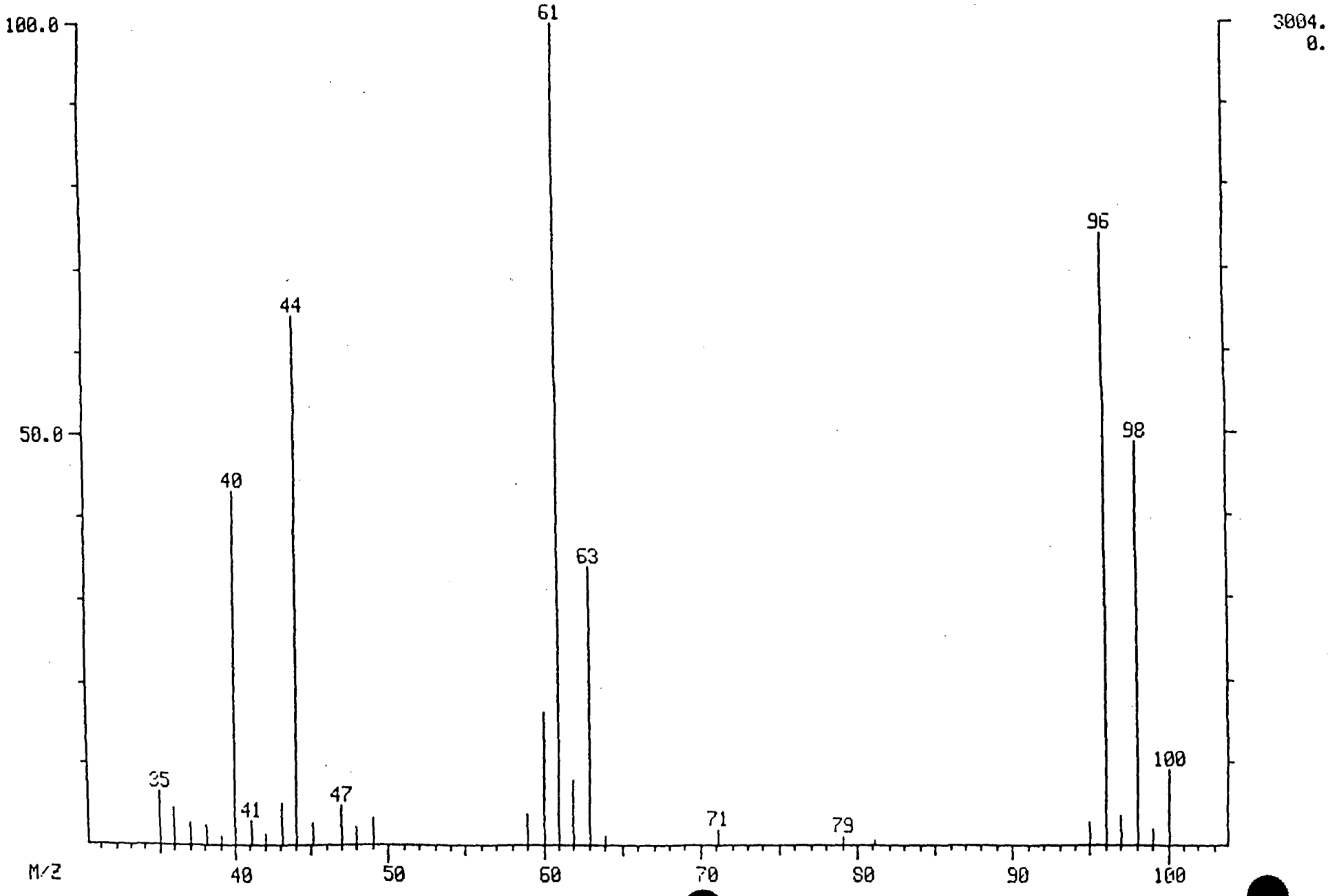
BASE M/Z: 49
RIC: 95488.



MASS SPECTRUM
01/16/89 16:47:00 + 5:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 97 DEG. C

DATA: V9010425 #106
CALI: V9010425 #3

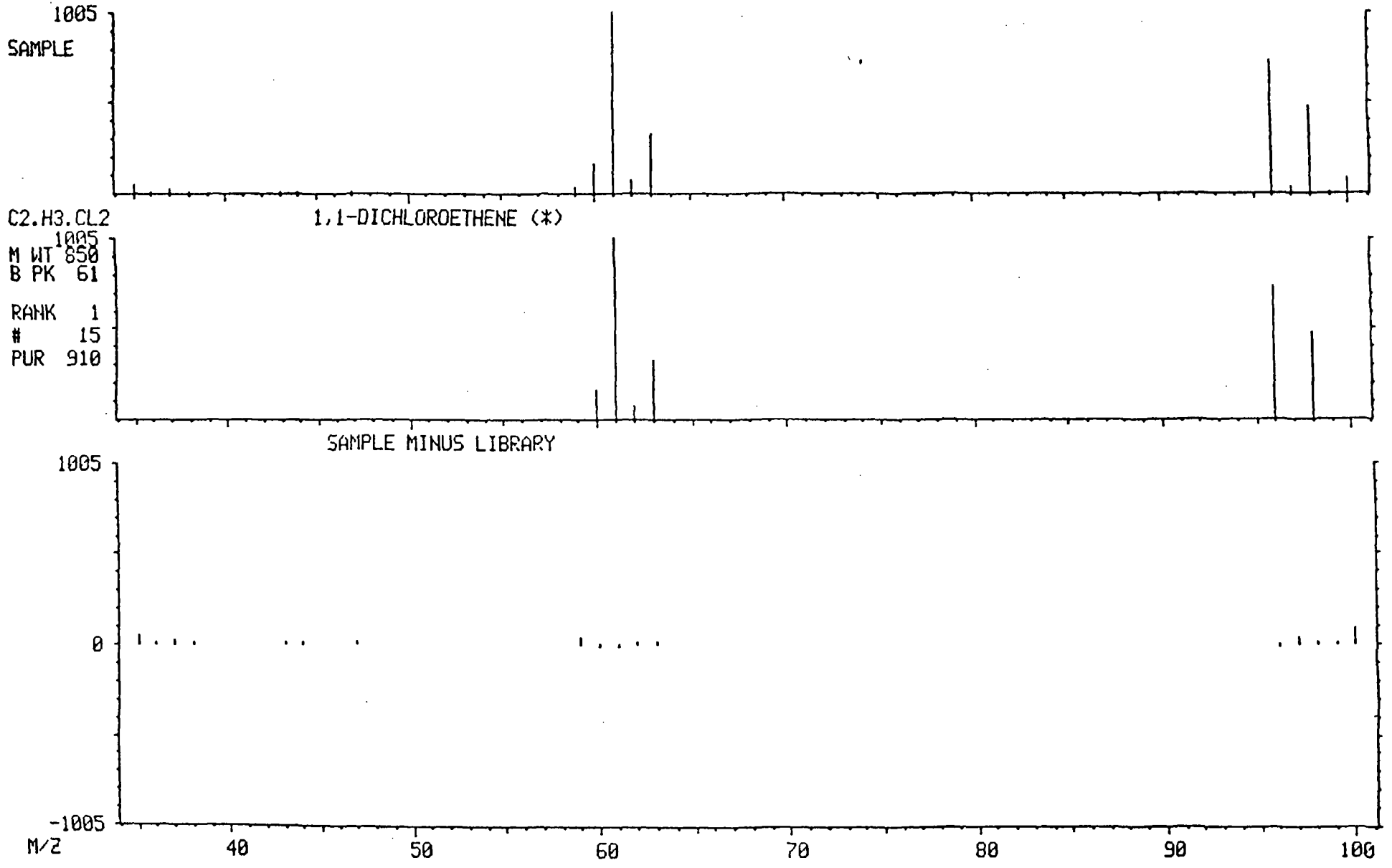
BASE M/Z: 61
RIC: 13600.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 16:47:00 + 5:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
106 - # 101 - # 112

DATA: V9010425 # 106
CALI: V9010425 # 3

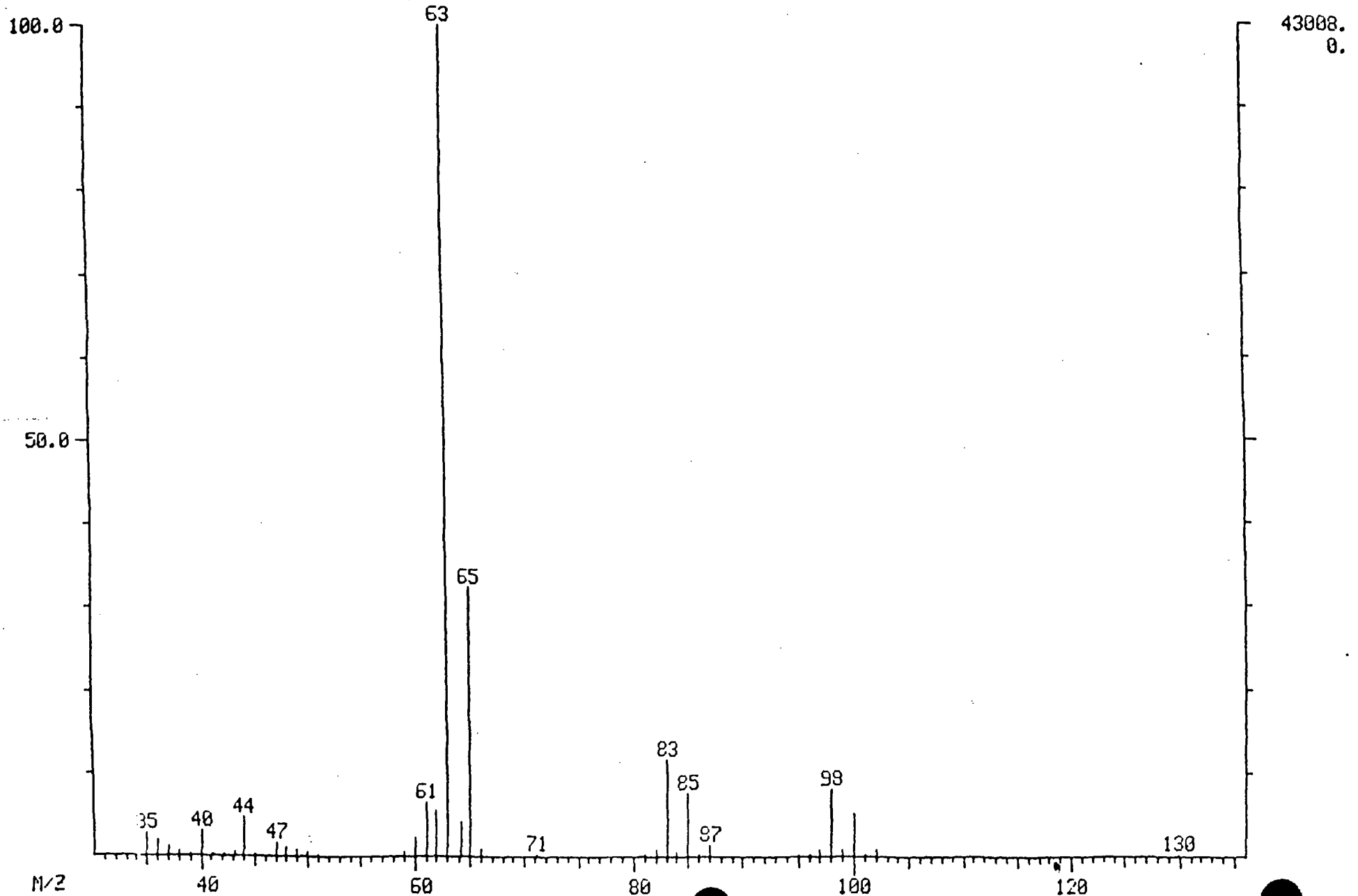
BASE M/Z: 61
RIC: 9232.



MASS SPECTRUM
01/16/89 16:47:00 + 6:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010425 #126
CALI: V9010425 #3

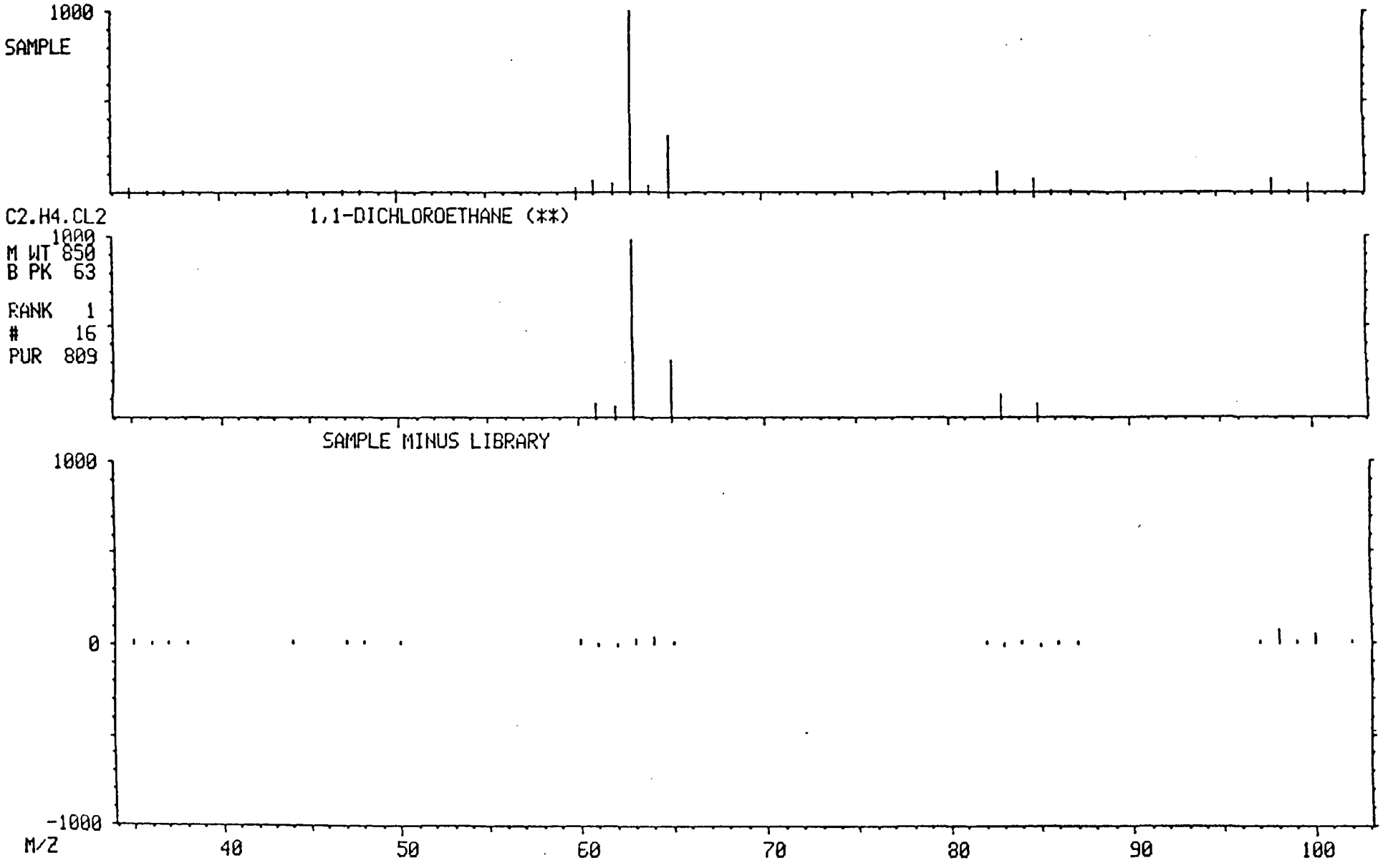
BASE M/Z: 63
RIC: 90496.



MAD LIBRARY SEARCH (LIBRARY00)
01/16/89 16:47:00 + 6:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
126 - # 118 - # 133

DATA: V9010425 # 126
CALI: V9010425 # 3

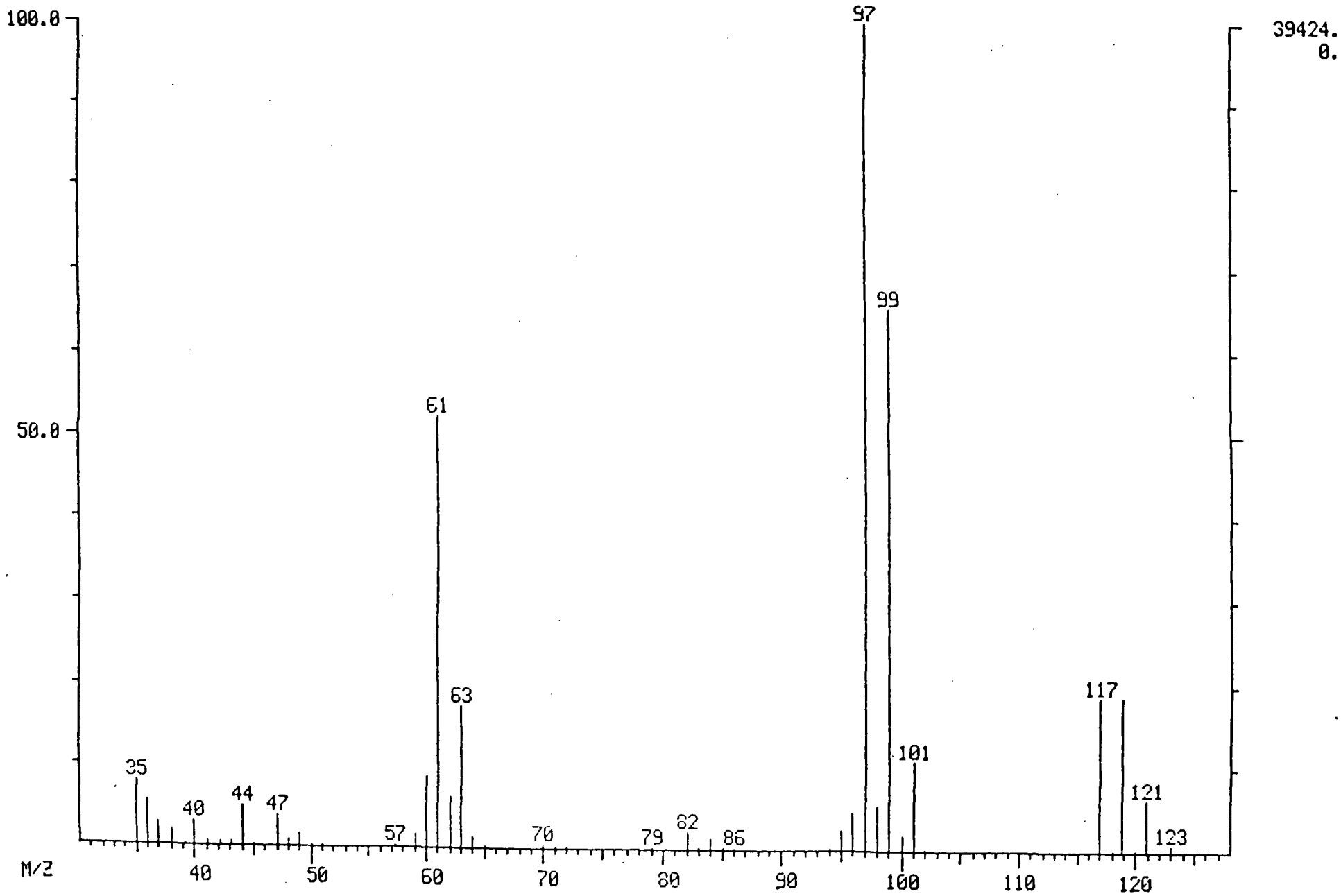
BASE M/Z: 63
RIC: 84480.



MASS SPECTRUM
01/16/89 16:47:00 + 8:51
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 133 DEG. C

DATA: V9010425 #177
CALI: V9010425 #3

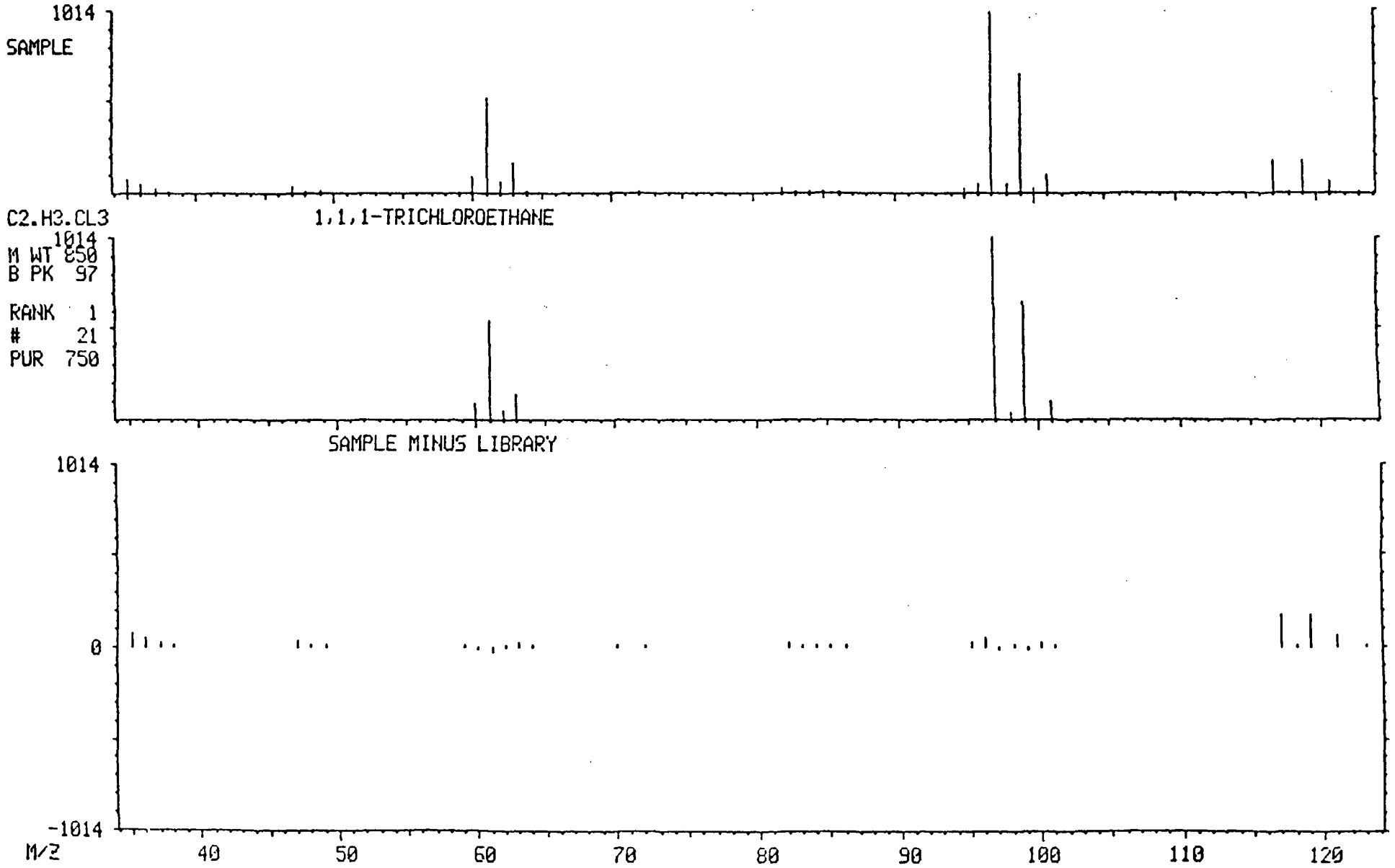
BASE M/Z: 97
RIC: 142848.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 16:47:00 + 8:51
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
177 - # 169 - # 184

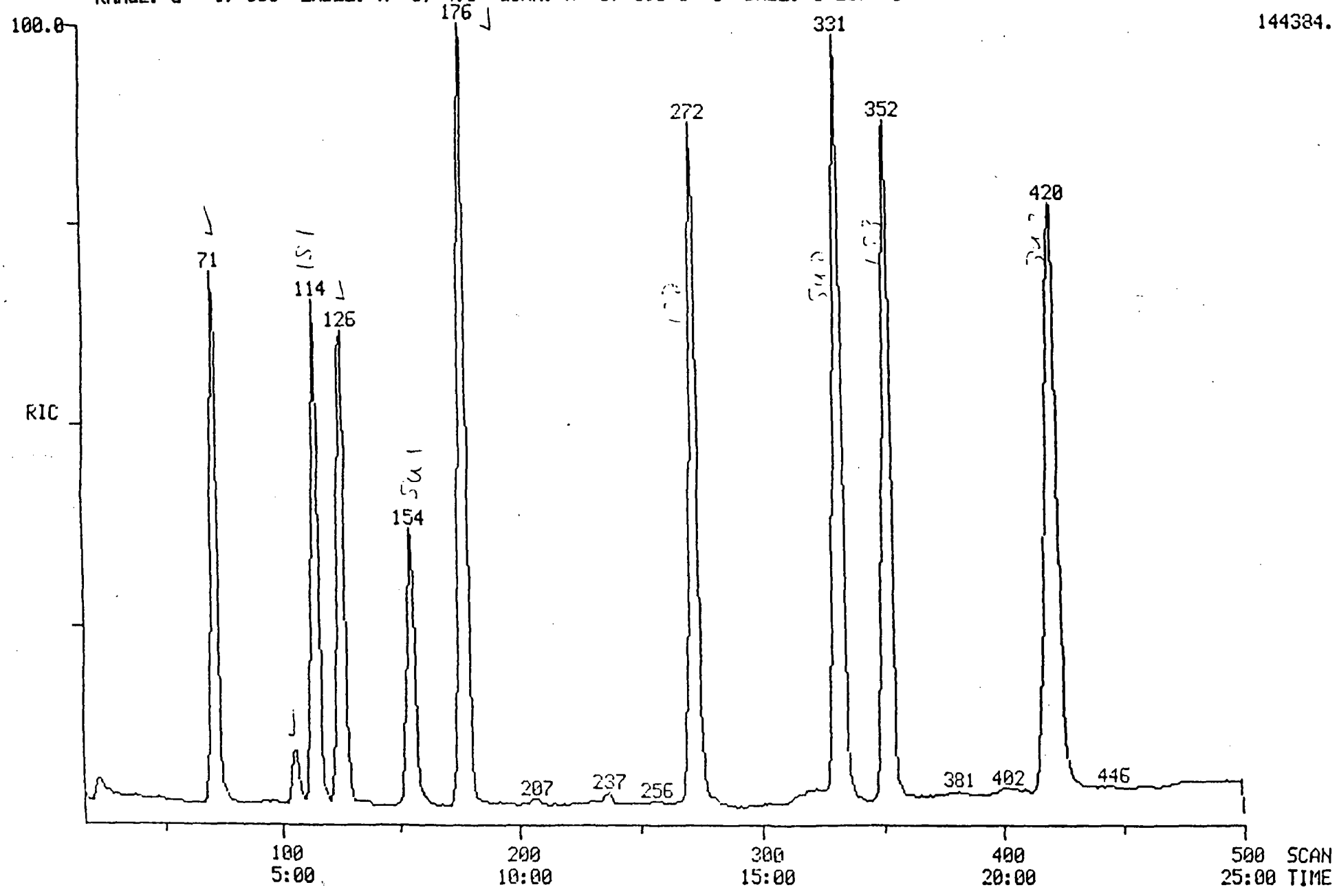
DATA: V9010425 # 177
CALI: V9010425 # 3

BASE M/Z: 97
RIC: 137472.



RIC
01/16/89 18:11:00
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010426 #2 SCANS 15 TO 500
CALI: V9010426 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/17/89 7:
DATA FILE: V9010426
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	2	59	VSTDS/VSURR
3	3	1	0	7	4	1	0	VSTDS/V1
3	3	1	0	11	9	1	720	VSTDS/V2
3	3	1	0	11	7	1	305	VSTDS/V3
3	3	1	0	11	6	1	0	VSTDS/V4
3	3	1	0	12	5	1	51	VSTDS/V5

43 COMPOUNDS PROCESSED, 22 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ----			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	P
1	VV	1	115	114	114	.	1	991	.	128	114	.	
2	VV	2	273	272	272	.	1	998	.	114	272	.	
3	VV	3	353	352	352	.	1	990	.	117	351	-1	
4	VV	4	156	155	154	-1	1	971	.	65	154	.	
5	VV	5	333	331	331	.	1	1000	.	98	331	.	
6	VV	6	422	420	420	.	2	992	.	95	421	1	
7	VV	7	22	21	.	.	.	.	.	50	21	.	
8	VV	8	32	31	.	.	.	.	.	94	.	.	
9	VV	9	-37	36	.	.	.	.	.	62	38	.	
10	VV	10	48	47	47	.	1	986	.	64	47	.	
11	VV	11	73	70	71	1	1	995	.	49	71	.	
12	VV	12	77	74	77	3	1	997	.	43	77	.	
13	VV	13	92	89	.	.	.	.	.	76	.	.	
14	VV	14	99	96	.	.	.	.	.	101	97	.	
15	VV	15	107	104	106	2	1	994	.	61	106	.	
16	VV	16	127	124	126	2	1	994	.	63	126	.	
17	VV	17	136	133	136	3	1	979	.	61	136	.	
18	VV	18	147	144	126	-18	1	987	.	83	126	.	
19	VV	19	157	154	.	.	.	.	.	62	156	.	
20	VV	20	155	152	154	2	1	988	.	43	154	.	
21	VV	21	178	175	176	1	1	998	.	61	177	1	
22	VV	22	183	180	176	-4	1	990	.	117	176	.	
23	VV	23	184	181	177	-4	1	900	.	43	178	.	
24	VV	24	192	189	.	.	.	.	.	83	.	.	
25	VV	25	213	210	.	.	.	.	.	63	.	.	
26	VV	26	217	214	.	.	.	.	.	75	.	.	
27	VV	27	225	224	224	.	1	852	.	130	225	1	
28	VV	28	232	231	231	.	1	995	.	78	232	1	
29	VV	29	237	236	.	.	.	.	.	129	.	.	
30	VV	30	237	236	.	.	.	.	.	75	.	.	
31	VV	31	238	237	237	.	1	984	.	83	237	.	
32	VV	32	254	253	.	.	.	.	.	63	.	.	
33	VV	33	280	279	.	.	.	.	.	173	.	.	
34	VV	34	286	285	.	.	.	.	.	43	.	.	
35	VV	35	310	309	.	.	.	.	.	43	.	.	
36	VV	36	316	315	.	.	.	.	.	166	314	.	
37	VV	37	316	315	.	.	.	.	.	83	.	.	
38	VV	38	336	335	334	-1	1	942	.	92	334	.	
39	VV	39	354	353	.	.	.	.	.	112	353	.	
40	VV	40	385	384	.	.	.	.	.	91	383	.	
41	VV	41	441	440	.	.	.	.	.	104	441	.	
42	VV	42	458	457	457	.	1	930	.	106	456	-1	
43	VV	43	-254	253	.	.	.	.	.	109	.	.	

Quantitation Report File: V9010426

Data: V9010426.TI
01/16/89 18:11:00
Sample: 8901JC11 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47236.	50.000	UG/L	7.37
2	114	272	13:36	2	1.000	A BB	199673.	50.000	UG/L	7.37
3	117	351	17:33	3	1.000	A BB	152886.	50.000	UG/L	7.37
4	65	154	7:42	1	1.351	A BB	46661.	99.729	%	14.70
5	98	331	16:33	3	0.943	A BB	198511.	100.667	%	14.84
6	95	421	21:03	3	1.199	A BB	135475.	100.777	%	14.86
7	49	71	3:33	1	0.623	A BB	93687.	53.838	UG/L	7.94
8	61	106	5:18	1	0.930	A BB	10846.	6.567	UG/L	0.97
9	63	126	6:18	1	1.105	A BB	145839.	69.368	UG/L	10.23
10	61	177	8:51	2	0.651	A BB	74708.	97.427	UG/L	14.36

SARK

Quantitation Report File: V9010426

Data: V9010426.TI
01/16/89 18:11:00
Sample: B901JC11 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 10.000
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (IS1)
2	1,4-DIFLUOROBENZENE (IS2)
3	CHLOROBENZENE-D5 (IS3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE

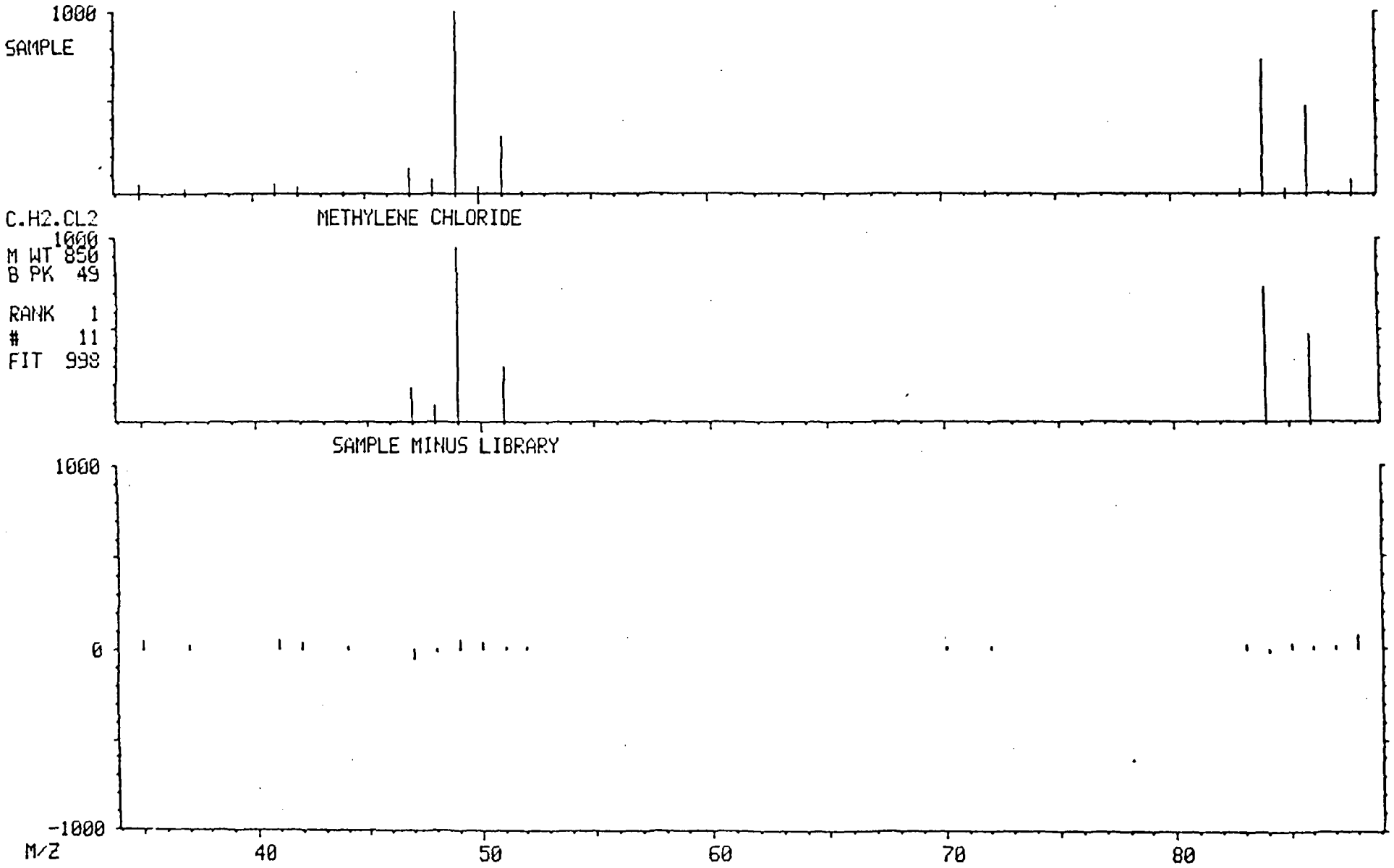
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47236.	500.000	UG/L	7.37
2	114	272	13:36	2	1.000	A BB	199673.	500.000	UG/L	7.37
3	117	351	17:33	3	1.000	A BB	152886.	500.000	UG/L	7.37
4	65	154	7:42	1	1.351	A BB	46661.	997.289	%	14.70
5	98	331	16:33	3	0.943	A BB	198511.	1006.670	%	14.84
6	95	421	21:03	3	1.199	A BB	135475.	1007.770	%	14.86
7	49	71	3:33	1	0.623	A BB	93687.	538.379	UG/L	7.94
8	61	106	5:18	1	0.930	A BB	10846.	65.668	UG/L	0.97
9	63	126	6:18	1	1.105	A BB	145839.	693.680	UG/L	10.23
10	61	177	8:51	2	0.651	A BB	74708.	974.273	UG/L	14.36

SAMPLE

MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 18:11:00 + 3:33
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010426 # 71
CALI: V9010426 # 3

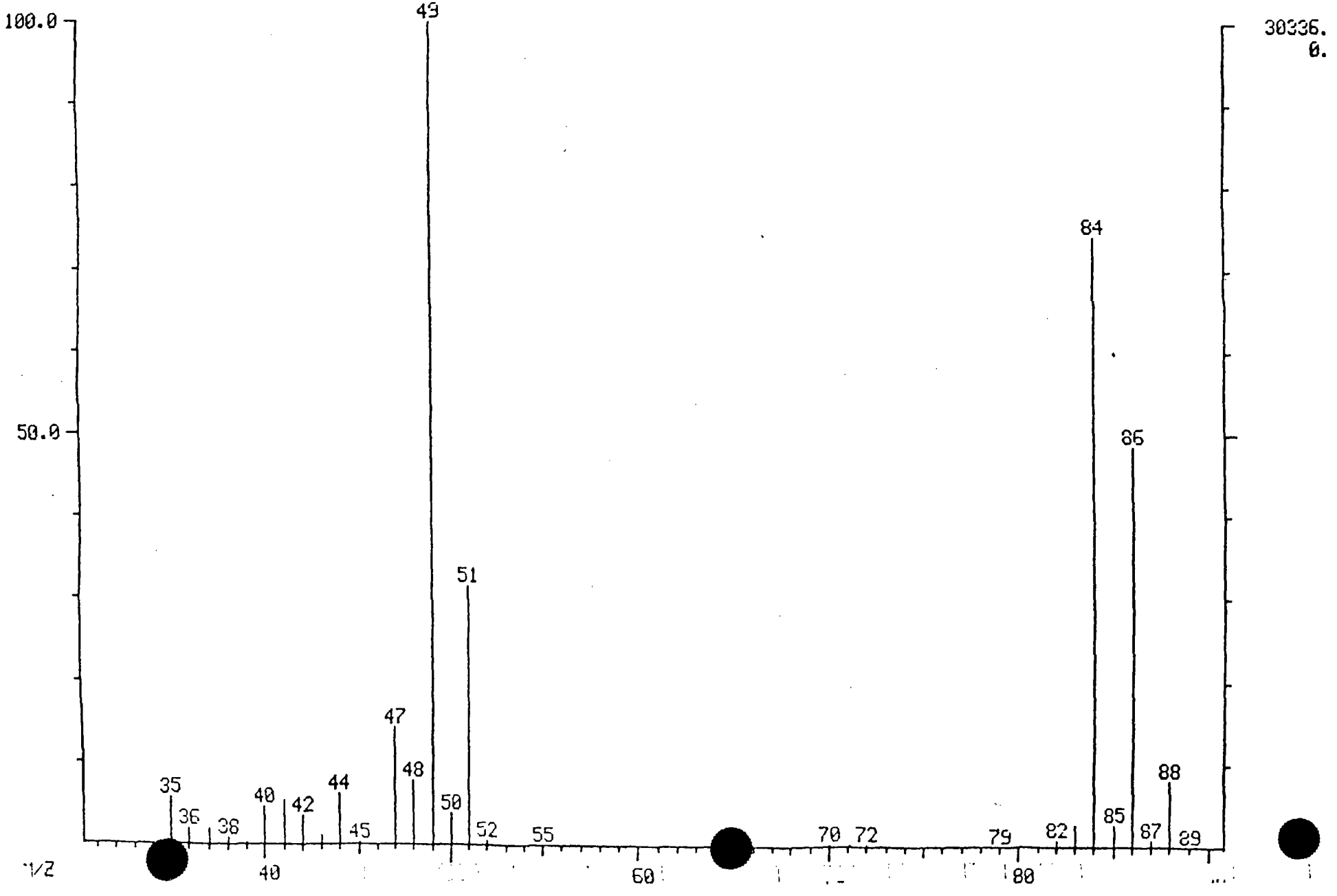
BASE M/Z: 49
RIC: 86656.



MASS SPECTRUM
01/16/89 18:11:00 + 3:33
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 80 DEG. C

DATA: V9010426 #71
CALI: V9010426 #3

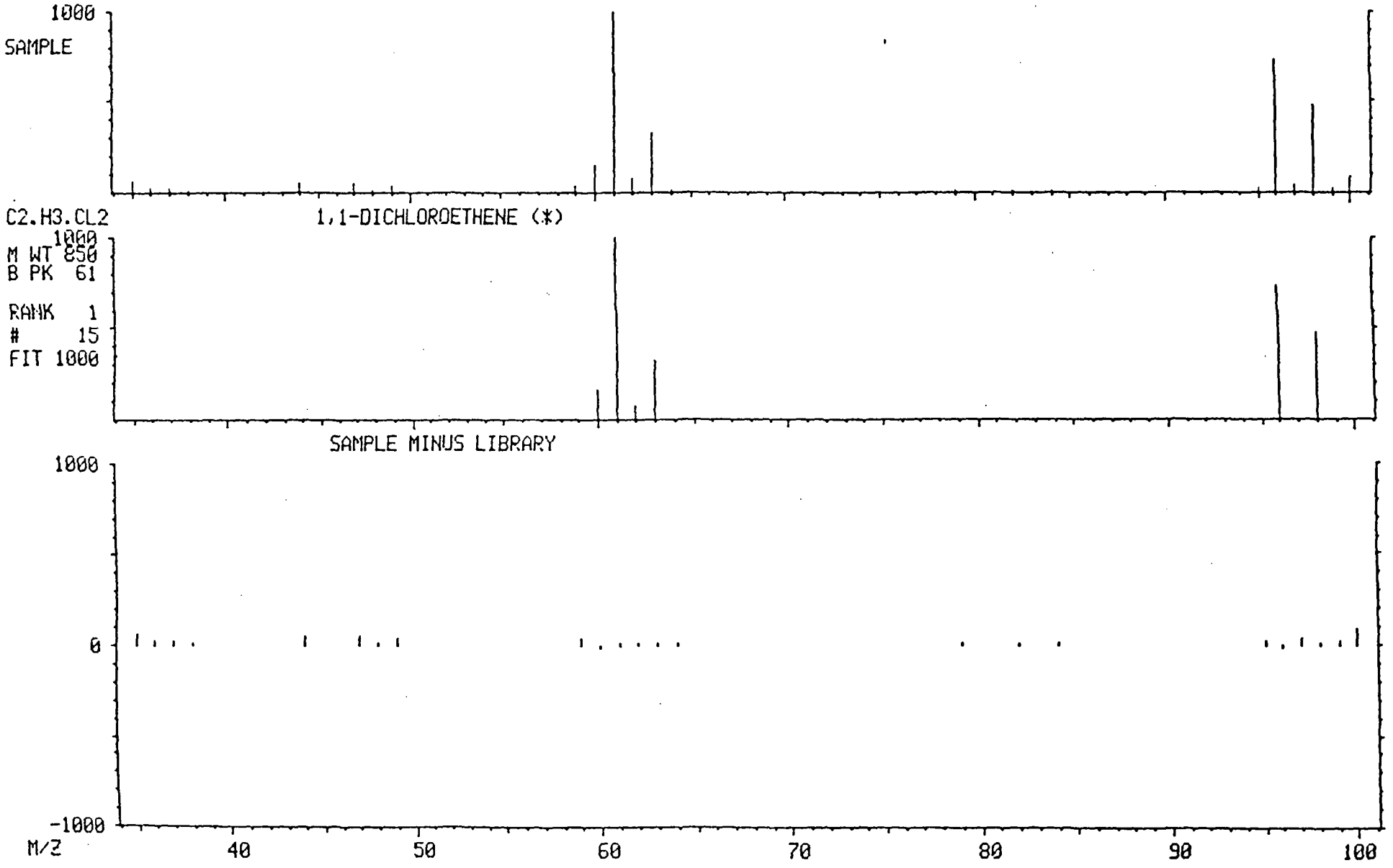
BASE M/Z: 49
RIC: 99584.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 18:11:00 + 5:18
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010426 # 106
CALI: V9010426 # 3

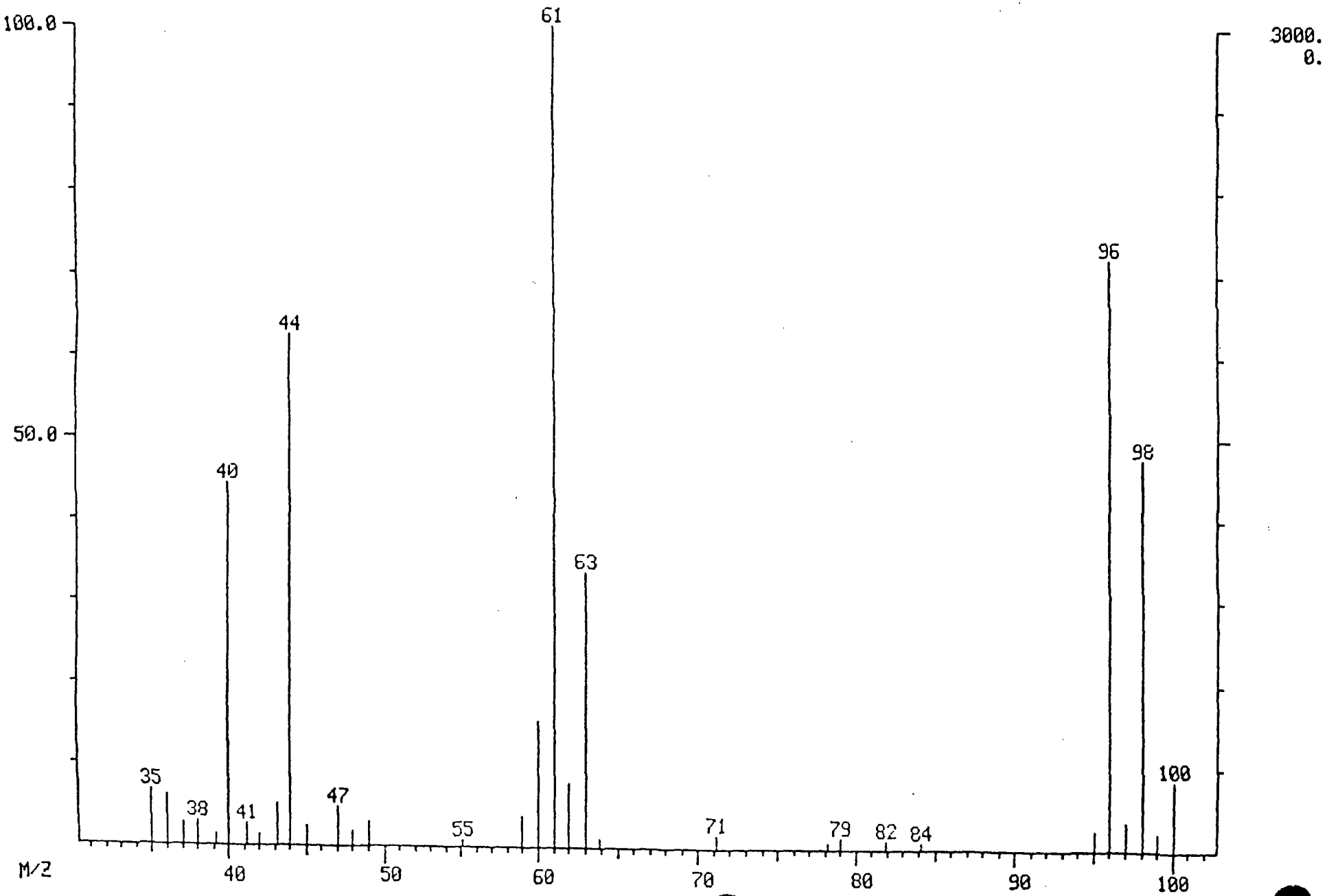
BASE M/Z: 61
RIC: 9328.



MASS SPECTRUM
01/16/89 18:11:00 + 5:18
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 97 DEG. C

DATA: V9010426 #106
CALI: V9010426 #3

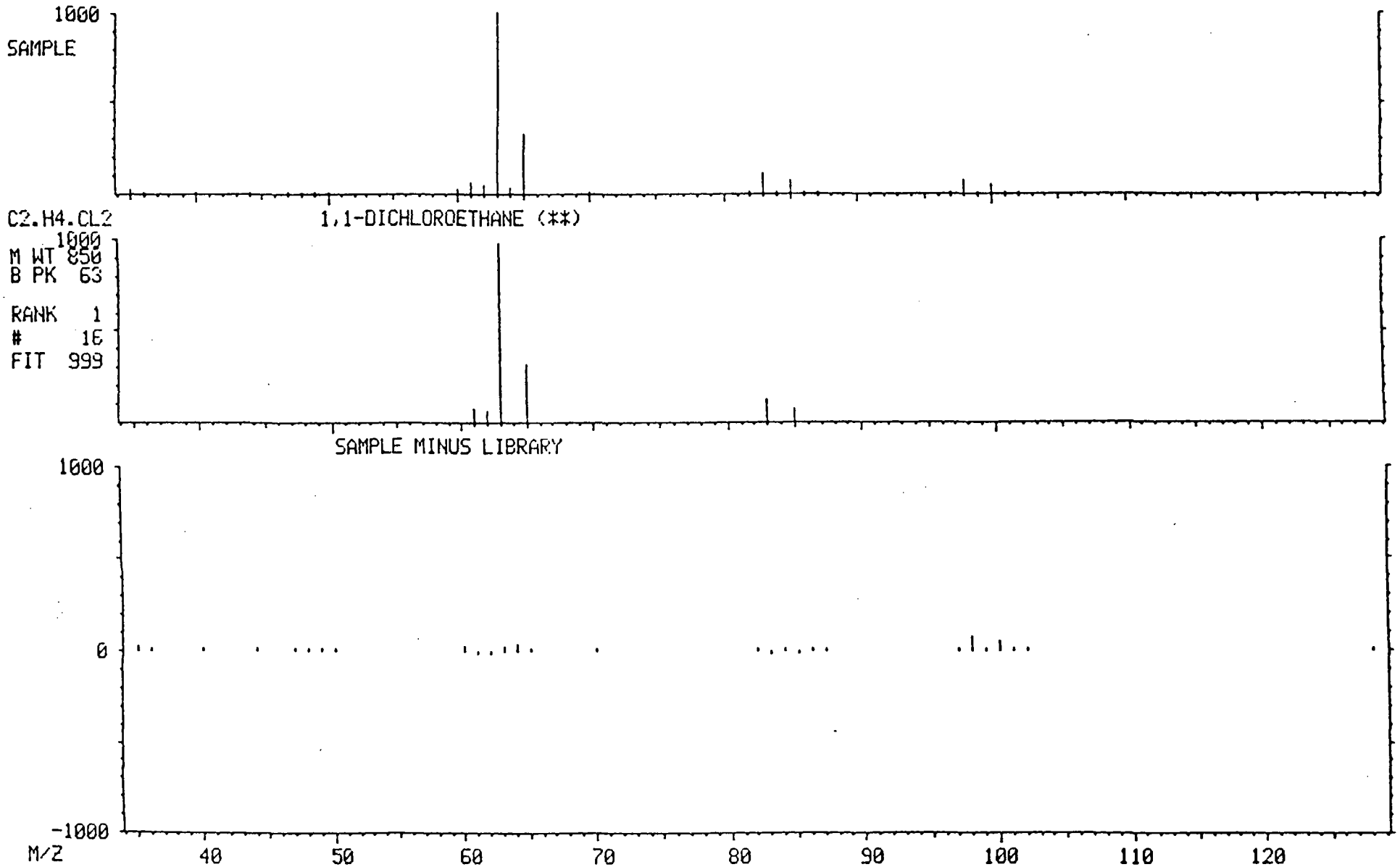
BASE M/Z: 61
RIC: 13584.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 18:11:00 + 6:18
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010426 # 126
CALI: V9010426 # 3

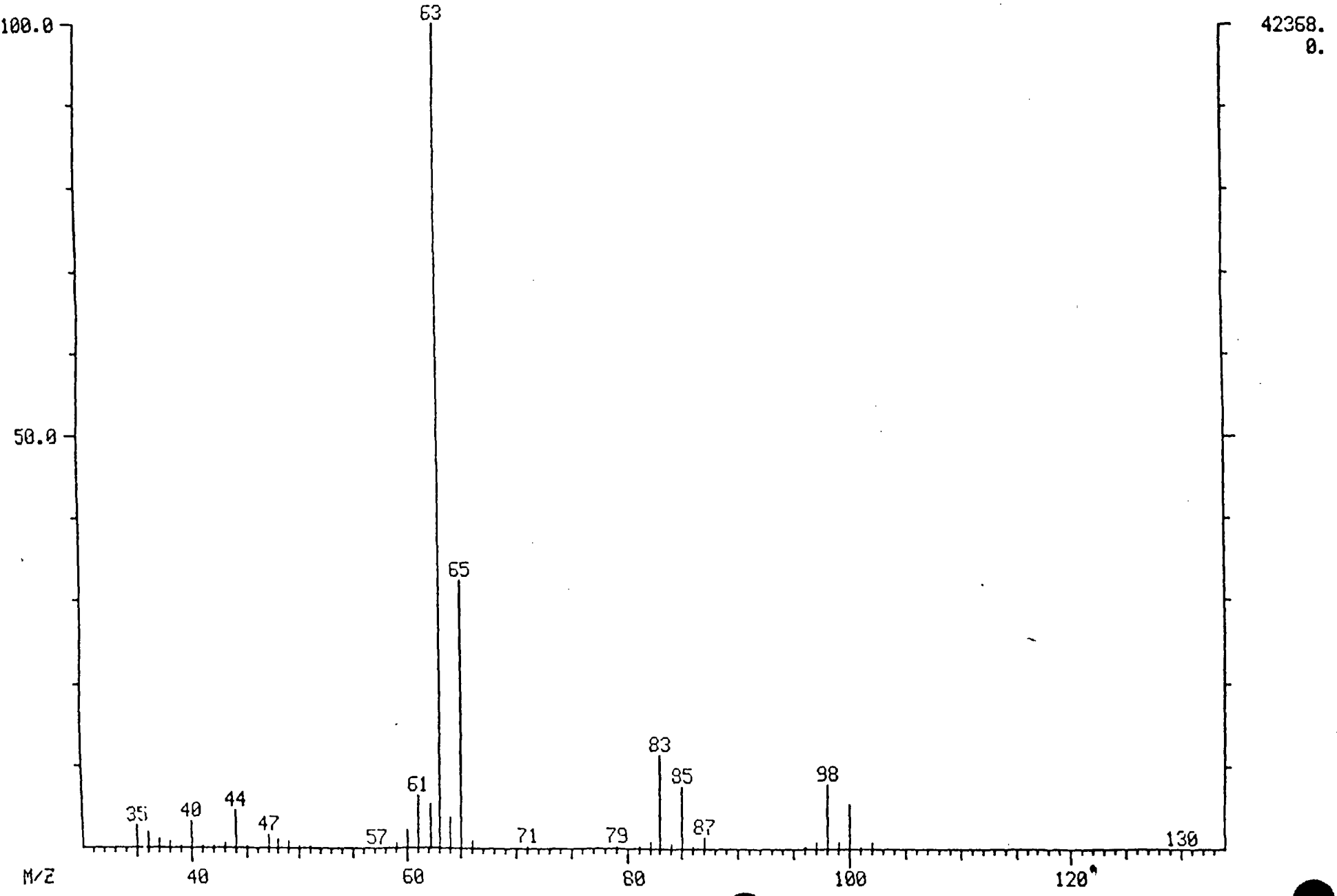
BASE M/Z: 63
RIC: 79872.



MASS SPECTRUM
01/16/89 18:11:00 + 6:18
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010426 #126
CALI: V9010426 #3

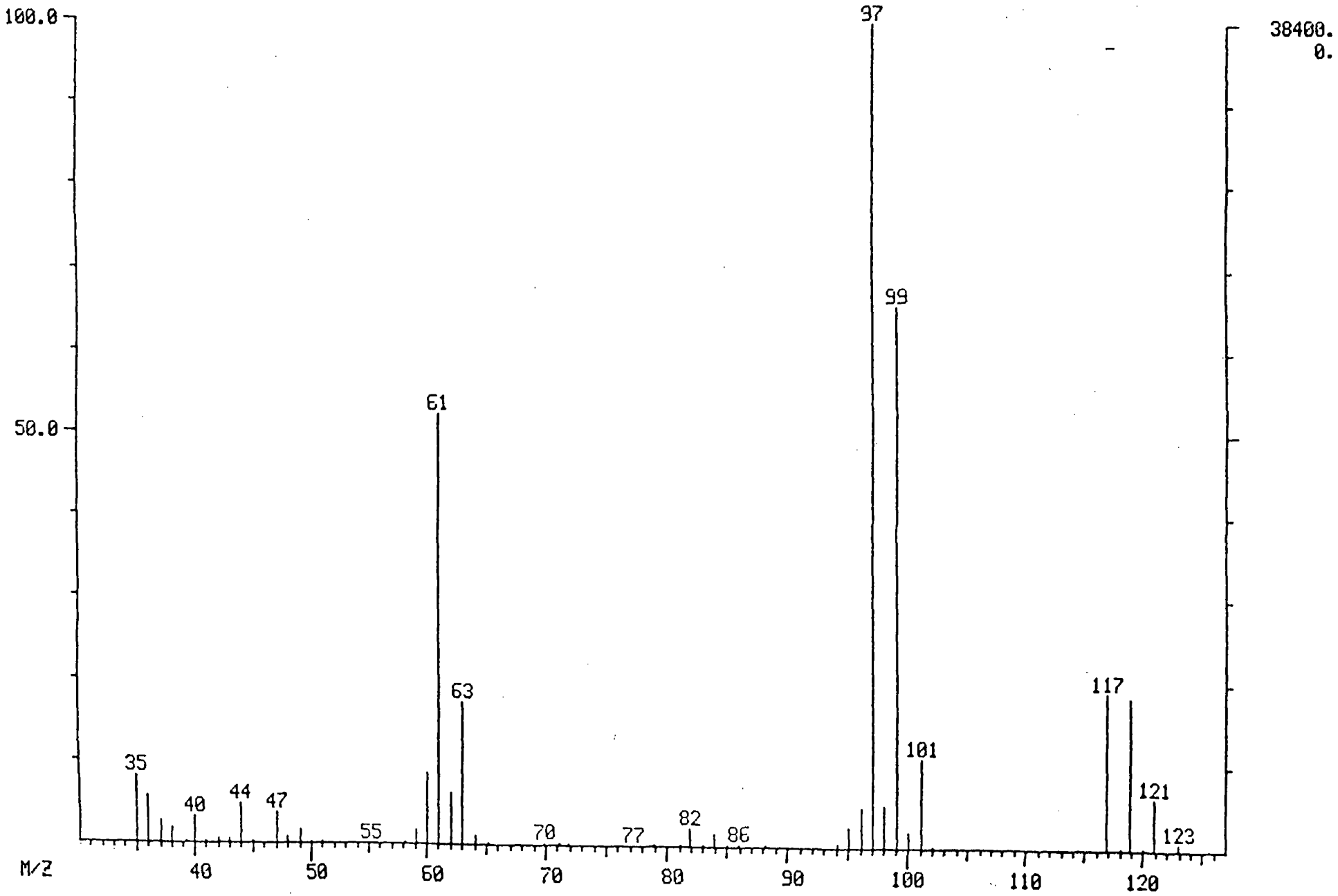
BASE M/Z: 63
RIC: 88704.



MASS SPECTRUM
01/16/89 18:11:00 + 8:51
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 132 DEG. C

DATA: V9010426 #177
CALI: V9010426 #3

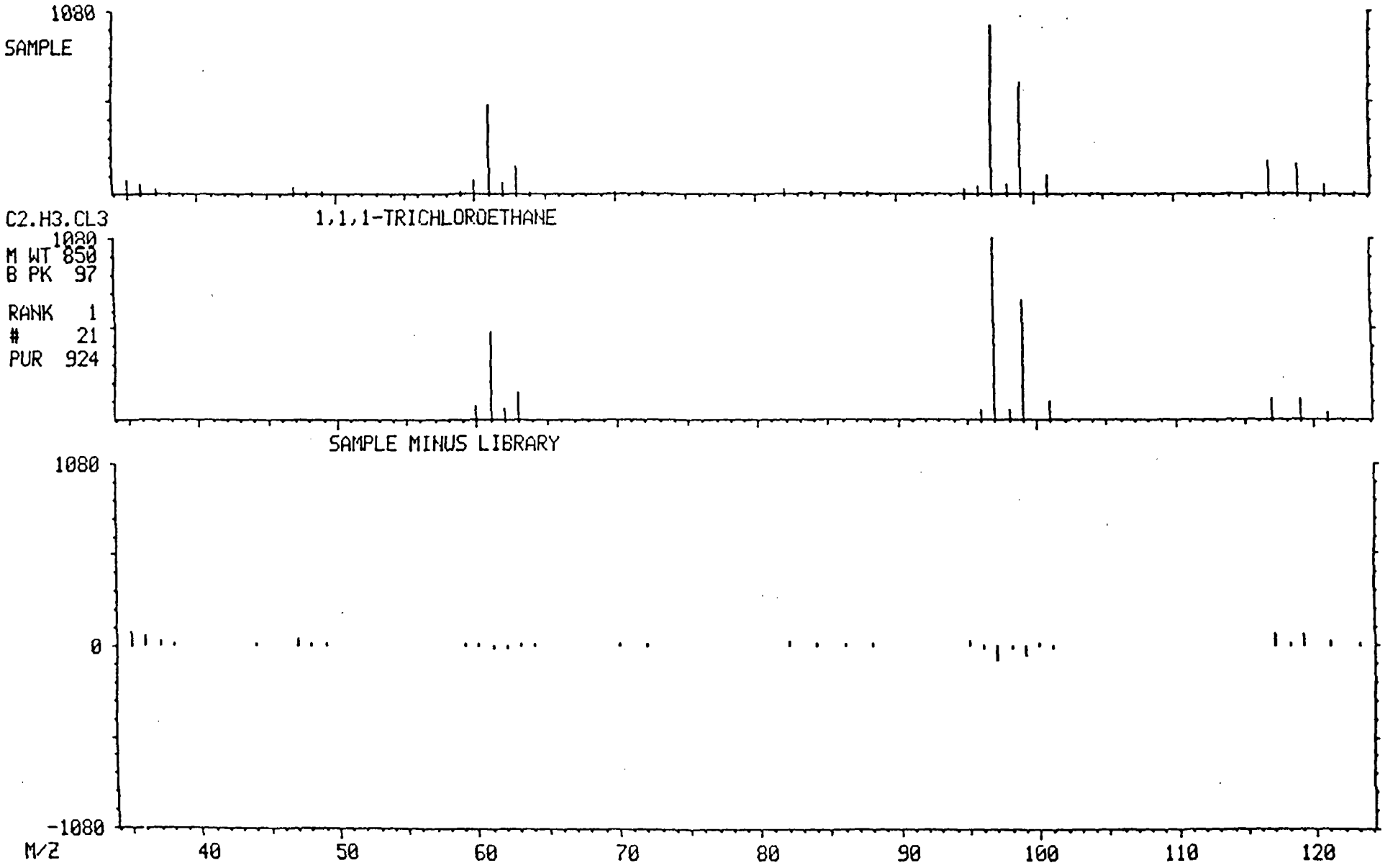
BASE M/Z: 97
RIC: 139776.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 18:11:00 + 8:51
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010426 # 177
CALI: V9010426 # 3

BASE M/Z: 97
RIC: 130816.



TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

Case No. _____ Contractor Sequoia Contract No. _____

Instrument ID F3 Date 1-16-89 Time 07:26

Lab ID BFB011689 Data Release Authorized By: Wendy Amundsen

m/z	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	15.2
95	30.0 - 60.0% of the base peak	35.5
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	6.7
173	Less than 1.0% of the base peak	0.1
174	Greater than 50.0% of the base peak	79.7
175	5.0 - 9.0% of mass 174	6.4 (8.1)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	79.3 (99.5)[1]
177	5.0 - 9.0% of mass 176	6.0 (7.6)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1] Value in parenthesis is % mass 174.
[2] Value in parenthesis is % mass 176.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
STD V010989A	VSTD011689	1-16-89	07:43
10A BLANK	VBLK011689	↓	08:23
901JC03	V9010421	↓	11:18
901JC04	V9010422	↓	11:53
901JC07	V9010423	↓	12:29
901JC07 MS	V9010423MS	↓	12:58
901JC07 MSD	V9010423SD	↓	13:42
901JC08	V9010424	↓	14:20
901JC09	V9010425	↓	16:47
901JC11	V9010426	↓	18:11

BROMOFLUOROBENZENE

Tuning Report
01/16/89 7:26:00 + 6:15
Instrument: FINN
#124 to #127 summed - #131
Case Number:

Data: BFB011689 # 125
Cali: CALTAB # 3
Analyst: JJS

Base m/z: 95
RIC: 86400.
Acct. No.: -

Laboratory: SEQUOIA LAB

Contract:

m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
50	3020.	15.2	15.0	40.0	95	15.2	PASS
75	7064.	35.5	30.0	60.0	95	35.5	PASS
95	19872.	100.0	100.0	---	---	100.0	PASS
96	1338.	6.7	5.0	9.0	95	6.7	PASS
173	17.	0.1	---	2.0	174	0.1	PASS
174	15840.	79.7	50.0	---	95	79.7	PASS
175	1278.	6.4	5.0	9.0	174	8.1	PASS
176	15760.	79.3	95.0	101.0	174	99.5	PASS
177	1192.	6.0	5.0	9.0	176	7.6	PASS

Mass List
01/16/89 7:26:00 + 6:15
Sample: BFB STD V121289A (50NG D.I.)
Conds.: GC DESC BF
#124 to #127 summed - #131

Data: BFB011689 # 125
Cali: CALTAB # 3

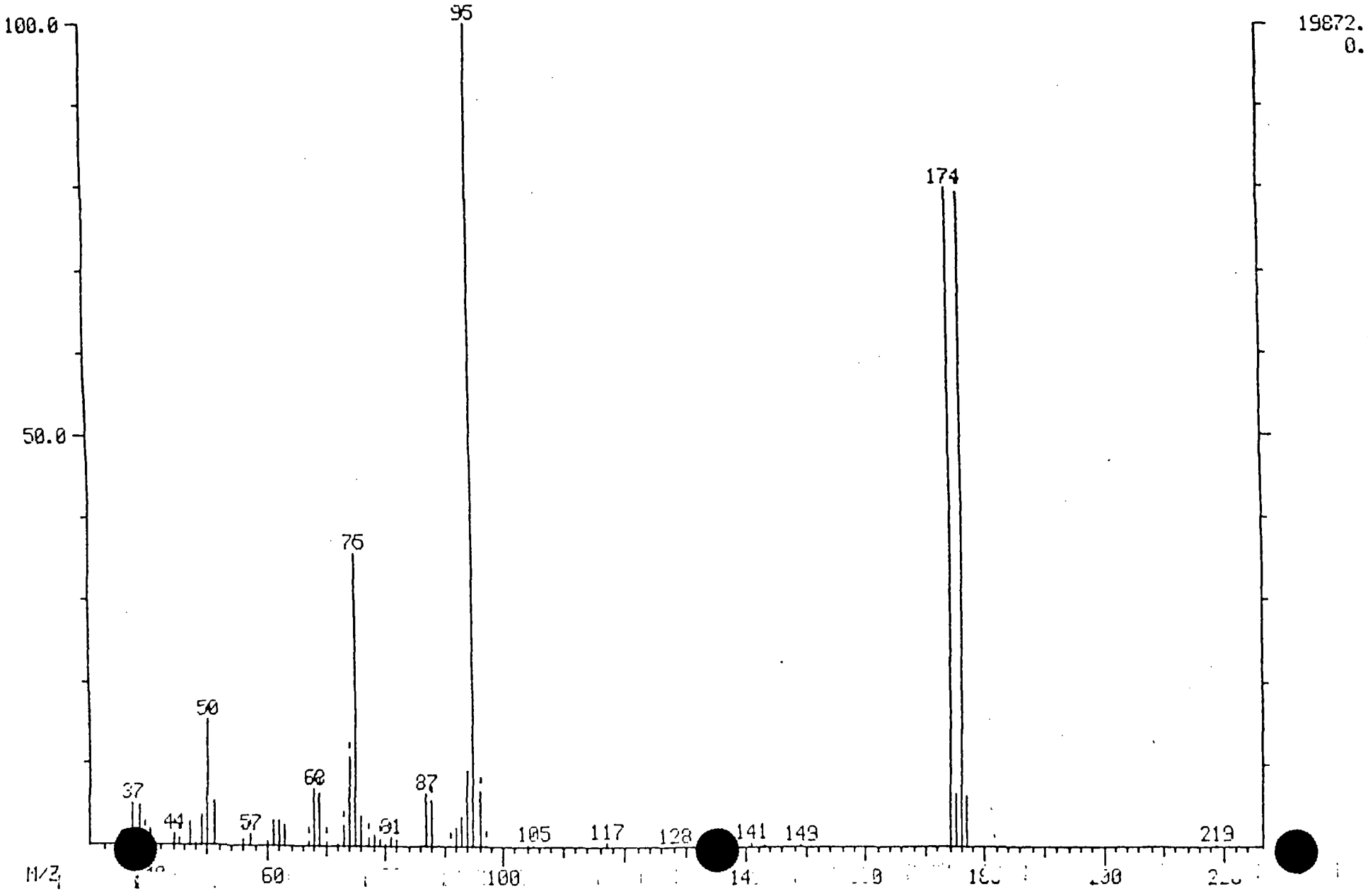
Base m/z: 95
RIC: 86400.

36		0.00	0.	Minima	Min	Inten:	0.
219				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
36?		1.01	201.	143		0.30	60.
37?		5.09	1012.	149		0.21	41.
38?		4.83	960.	173		0.09	17.
39?	S	1.23	244.	174	S	79.71	15840.
40?	S	0.20	40.	175		6.43	1278.
44?	S	1.45	288.	176	S	79.31	15760.
45?	S	0.70	139.	177		6.00	1192.
46?		0.09	17.	219		0.33	65.
47?		2.76	548.				
48?		0.24	47.				
49?		3.71	738.				
50?	S	15.20	3020.				
51?		5.21	1036.				
56?	S	0.89	176.				
57?	S	1.41	280.				
60?		0.51	102.				
61?		3.17	630.				
62?		3.08	613.				
63?		2.48	493.				
64?		0.08	15.				
67?	S	0.47	93.				
68?	S	7.02	1396.				
69	S	6.45	1282.				
70	S	0.56	111.				
72		0.39	77.				
73	S	2.48	492.				
74	S	10.83	2152.				
75	S	35.55	7064.				
76		3.70	735.				
77	S	0.99	196.				
78		1.32	262.				
79	S	0.88	174.				
80		0.38	75.				
81	S	1.17	233.				
82		0.90	179.				
86		0.09	17.				
87		6.22	1236.				
88	S	5.42	1078.				
91	S	0.12	24.				
92		2.23	443.				
93		3.47	690.				
94		9.25	1838.				
95	S	100.00	19872.				
96	S	6.73	1338.				
97	S	0.25	49.				
104		0.25	49.				
105	S	0.30	59.				
117		0.56	112.				
128		0.10	20.				
141		0.48	95.				

MASS SPECTRUM
01/16/89 7:26:00 + 6:15
SAMPLE: BFB STD V121289A (50NG D.I.)
CONDS.: GC DESC BF
TEMP: 225 DEG. C
#124 TO #127 SUMMED - #131

DATA: BFB011689 #125
CALI: CALTAB #3

BASE M/Z: 95
RIC: 86400.



Continuing Calibration Check
Volatile HSL Compounds

Case No: _____

Laboratory Name: Sequoia Analytical

Contract No: _____

Instrument ID: E3

Calibration Date: 1-16-89

Time: 07:43

Laboratory ID: VSTD011689

Initial Calibration Date: 01-12-89

Minimum RF for SPCC is 0.300 (0.25 for Bromoform)

Maximum %D for CCC is 30%

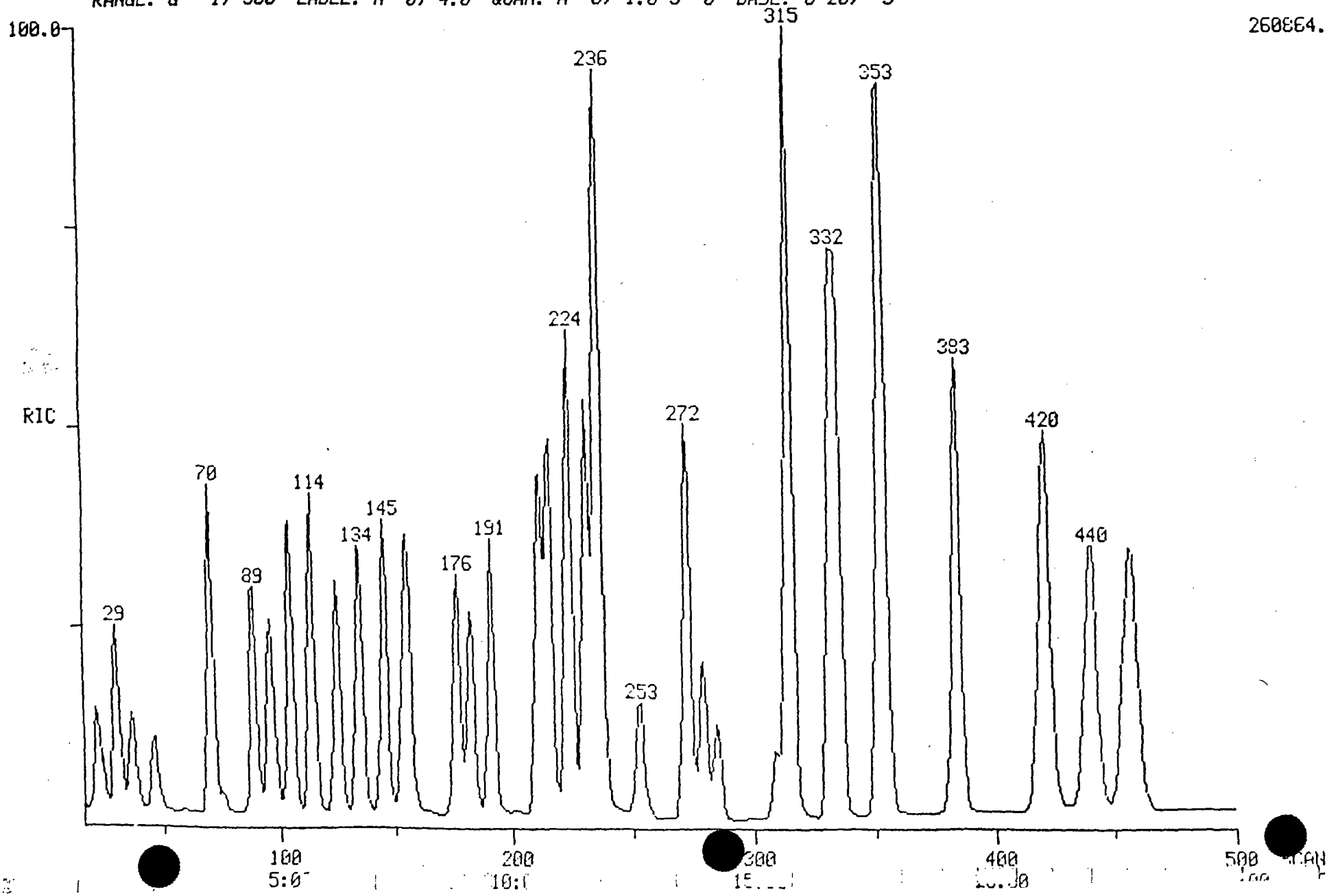
Compound	RF	RF_{50}	%D	CCC	SPCC
Chloromethane	0.928	1.068	—		**
Bromomethane	1.304	1.308	+0.3		
Vinyl Chloride	1.188	1.160	-2.3	*	
Chloroethane	0.802	0.745	-7.1		
Methylene Chloride	1.913	1.842	-6.2		
Acetone	0.224	0.198	11		
Carbon Disulfide	3.776	3.501	-7.1		
1,1-Dichloroethene	1.588	1.448	-9.4	*	
1,1-Dichloroethane	2.418	2.225	—		**
Trans-1,2-Dichloroethene	1.823	1.671	-8.0		
Chloroform	2.376	2.203	-7.3	*	
1,2-Dichloroethane	1.118	1.007	-9.9		
2-Butanone	0.110	0.096	-11		
1,1,1-Trichloroethane	0.175	0.192	+9.1		
Carbon Tetrachloride	0.271	0.294	+8.5		
Vinyl Acetate	0.135	0.082	-39		
Bromodichloromethane	0.480	0.502	+4.6		
1,2-Dichloropropane	0.439	0.418	+6.6	*	
Trans-1,3-Dichloropropene	0.652	0.670	+2.8		
Trichloroethene	0.493	0.550	+12		
Dibromochloromethane	0.401	0.410	+3.1		
1,1,2-Trichloroethane	0.337	0.345	+2.4		
Benzene	0.971	1.058	+8.9		
cis-1,3-Dichloropropene	0.273	0.271	-0.7		
2-Chloroethylvinylether	0.138	0.147	+6.5		
Bromoform	0.312	0.277	—		**
4-Methyl-2-Pentanone	0.238	0.193	-24		
2-Hexanone	0.247	0.241	-2.4		
Tetrachloroethene	0.837	0.815	-2.6		
1,1,2,2-Tetrachloroethane	0.580	0.551	—		**
Toluene	0.830	0.790	-4.8	*	
Chlorobenzene	1.129	1.086	—		**
Ethylbenzene	1.623	1.584	-2.4	*	
Styrene	0.963	0.909	-5.6		
Total Xylenes	0.591	0.558	-5.6		

RF_{50} -Response Factor from daily standard file at 50 ug/l
RF -Average Response Factor from initial calibration Form VI

%D -Percent Difference
CCC -Calibration Check Compounds (*)
SPCC -System Performance Check Compounds (**)

RIC
01/16/89 7:43:00
SAMPLE: HSL STD V010989A (50UG/L)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VSTD011689 #1 SCANS 15 TO 500
CALI: VSTD011689 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 8:09:59
DATA FILE: VSTD011689
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	59	VSTDS/VSURR
3	3	1	0	7	7	1	78	VSTDS/V1
3	3	1	0	11	11	5	58	VSTDS/V2
3	3	1	0	11	11	32	50	VSTDS/V3
3	3	1	0	11	11	2	49	VSTDS/V4
3	3	1	0	12	11	2	50	VSTDS/V5

43 COMPOUNDS PROCESSED, 42 FOUND

COMPOUND		><	---------- SEARCH ----------					>< SAT	>< ------ CHRO -------				>
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	114	114	.	1	993	.	128	114	.	1
2	VV	2	273	272	272	.	1	998	.	114	272	.	1
3	VV	3	353	352	352	.	1	990	.	117	351	-1	1
4	VV	4	156	155	154	-1	1	971	.	65	154	.	1
5	VV	5	333	331	331	.	1	998	.	98	331	.	1
6	VV	6	422	420	420	.	1	988	.	95	420	.	1
7	VV	7	22	20	21	1	1	978	.	50	21	.	1
8	VV	8	32	30	29	-1	1	992	.	94	29	.	1
9	VV	9	-37	35	36	1	1	958	.	62	36	.	1
10	VV	10	48	46	46	.	1	995	.	64	46	.	1
11	VV	11	73	71	70	-1	1	997	.	49	70	.	1
12	VV	12	77	75	75	.	5	996	.	43	75	.	1
13	VV	13	92	90	89	-1	1	994	.	76	89	.	1
14	VV	14	99	97	96	-1	1	999	.	101	96	.	1
15	VV	15	107	105	105	.	1	994	.	61	105	.	1
16	VV	16	127	125	125	.	1	996	.	63	125	.	1
17	VV	17	136	134	134	.	1	998	.	61	135	1	1
18	VV	18	147	145	145	.	1	998	.	83	145	.	1
19	VV	19	157	156	155	-1	1	973	.	62	156	1	1
20	VV	20	155	154	153	-1	2	996	.	43	153	.	1
21	VV	21	178	177	176	-1	1	996	.	61	176	.	1
22	VV	22	183	182	182	.	2	1000	.	117	182	.	1
23	VV	23	184	183	183	.	4	934	.	43	183	.	1
24	VV	24	192	191	191	.	1	1000	.	83	191	.	1
25	VV	25	213	212	211	-1	1	986	.	63	211	.	1
26	VV	26	217	216	216	.	2	995	.	75	216	.	1
27	VV	27	225	224	224	.	1	991	.	130	224	.	1
28	VV	28	232	231	231	.	1	996	.	78	231	.	1
29	VV	29	237	236	235	-1	1	999	.	129	235	.	1
30	VV	30	237	236	236	.	2	1000	.	75	236	.	1
31	VV	31	238	237	236	-1	1	988	.	83	237	1	1
32	VV	32	254	253	253	.	1	987	.	63	253	.	1
33	VV	33	280	279	279	.	1	996	.	173	279	.	1
34	VV	34	286	285	284	-1	1	1000	.	43	284	.	1
35	VV	35	310	309	309	.	2	1000	.	43	309	.	1
36	VV	36	316	315	314	-1	1	995	.	166	314	.	1
37	VV	37	316	315	315	.	1	985	.	83	315	.	1
38	VV	38	336	335	334	-1	1	996	.	92	334	.	1
39	VV	39	354	353	353	.	1	994	.	112	353	.	1
40	VV	40	385	384	383	-1	1	998	.	91	383	.	1
41	VV	41	441	439	440	1	1	998	.	104	440	.	1
42	VV	42	458	456	456	.	1	997	.	106	456	.	1
43	VV	43	-254	253	.	.	.	.	.	109	253	.	1

Quantitation Report File: VSTD011689

Data: VSTD011689.TI
01/16/89 7:43:00
Sample: HSL STD V010989A (50UG/L)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
29	DIBROMOCHLOROMETHANE
[illegible]	CIS-2,3-DICHLOROPROPENE
[illegible]	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	55226.	50.000	UG/L	2.17
2	114	272	13:36	2	1.000	A BB	205640.	50.000	UG/L	2.17
3	117	351	17:33	3	1.000	A BB	175863.	50.000	UG/L	2.17
4	65	154	7:42	1	1.351	A BB	54702.	100.000	%	4.35
5	98	331	16:33	3	0.943	A BB	226833.	100.000	%	4.35
6	75	420	21:00	3	1.197	A BB	154635.	100.000	%	4.35
7	50	21	1:03	1	0.184	A BV	58957.	50.000	UG/L	2.17
8	94	29	1:27	1	0.254	A BB	72214.	50.000	UG/L	2.17
9	62	36	1:48	1	0.316	A BV	64065.	50.000	UG/L	2.17
10	64	46	2:18	1	0.404	A VB	41119.	50.000	UG/L	2.17
11	49	70	3:30	1	0.614	A BB	101726.	50.000	UG/L	2.17
12	43	75	3:45	1	0.658	A BV	10913.	50.000	UG/L	2.17
13	76	89	4:27	1	0.781	A BB	193695.	50.000	UG/L	2.17
14	101	96	4:48	1	0.842	A BB	96003.	50.000	UG/L	2.17
15	61	105	5:15	1	0.921	A BB	96551.	50.000	UG/L	2.17
16	63	125	6:15	1	1.096	A BV	122901.	50.000	UG/L	2.17
17	61	135	6:45	1	1.184	A VB	92540.	50.000	UG/L	2.17
18	83	145	7:15	1	1.272	A BB	121667.	50.000	UG/L	2.17
19	62	156	7:48	1	1.368	A BB	55596.	50.000	UG/L	2.17
20	43	153	7:39	2	0.562	A BB	20059.	50.000	UG/L	2.17
21	61	176	8:48	2	0.647	A BB	39486.	50.000	UG/L	2.17
22	117	182	9:06	2	0.669	A VB	60361.	50.000	UG/L	2.17
23	43	183	9:09	2	0.673	A BB	16805.	50.000	UG/L	2.17
24	83	191	9:33	2	0.702	A BB	103172.	50.000	UG/L	2.17
25	63	211	10:33	2	0.776	A BV	96167.	50.000	UG/L	2.17
26	75	216	10:48	2	0.794	A BB	137771.	50.000	UG/L	2.17
27	130	224	11:12	2	0.824	A BV	113180.	50.000	UG/L	2.17
28	78	231	11:33	2	0.849	A BB	217661.	50.000	UG/L	2.17
29	129	235	11:45	2	0.864	A BB	94624.	50.000	UG/L	2.17
30	75	236	11:48	2	0.868	A BB	55644.	50.000	UG/L	2.17
31	83	237	11:51	2	0.871	A BB	70910.	50.000	UG/L	2.17
32	63	253	12:39	2	0.930	A BB	30300.	50.000	UG/L	2.17
33	173	279	13:57	2	1.026	A BB	57000.	50.000	UG/L	2.17
34	43	284	14:12	3	0.809	A BB	46389.	50.000	UG/L	2.17
35	43	309	15:27	3	0.880	A BB	33866.	50.000	UG/L	2.17
36	166	314	15:42	3	0.895	A BB	143263.	50.000	UG/L	2.17
37	83	315	15:45	3	0.897	A BB	80389.	50.000	UG/L	2.17
38	92	334	16:42	3	0.952	A BB	139005.	50.000	UG/L	2.17
39	112	353	17:39	3	1.006	A BB	191017.	50.000	UG/L	2.17
40	91	383	19:09	3	1.091	A BB	278499.	50.000	UG/L	2.17
41	104	440	22:00	3	1.254	A BB	159792.	50.000	UG/L	2.17
42	106	456	22:48	3	1.299	A BB	98127.	50.000	UG/L	2.17
43	109	253	12:39	2	0.930	A BB	147.	50.000	UG/L	2.17

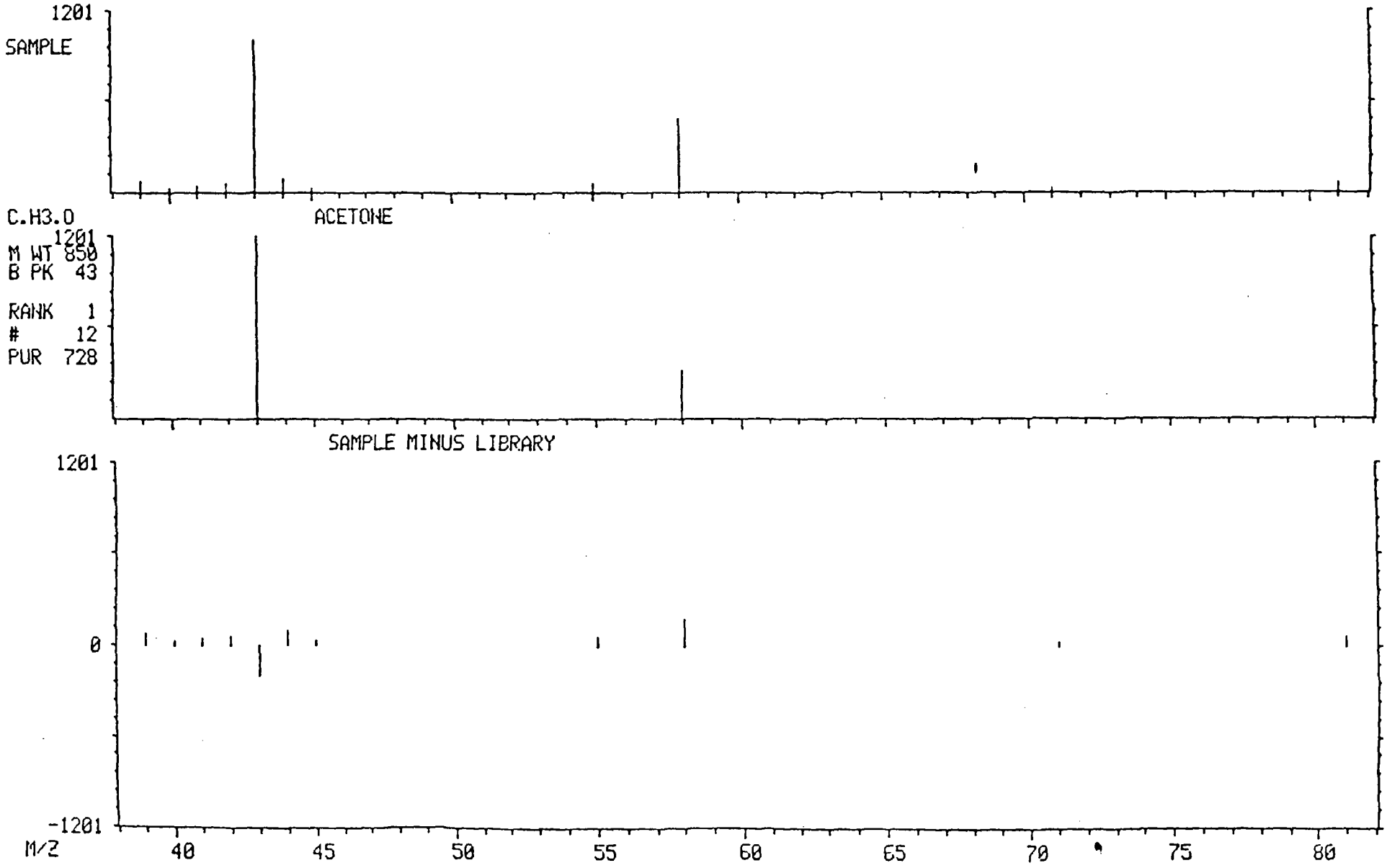
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	5:42	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	13:36	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	17:33	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	7:42	1.00	1.351	1.00	100.00	100.00	0.495	0.495	1.00
5	16:33	1.00	0.943	1.00	100.00	100.00	0.645	0.645	1.00
6	21:00	1.00	1.197	1.00	100.00	100.00	0.440	0.440	1.00
7	1:03	1.00	0.184	1.00	50.00	50.00	1.068	1.068	1.00
8	1:27	1.00	0.254	1.00	50.00	50.00	1.308	1.308	1.00
9	1:48	1.00	0.316	1.00	50.00	50.00	1.160	1.160	1.00
10	2:18	1.00	0.404	1.00	50.00	50.00	0.745	0.745	1.00
11	3:30	1.00	0.614	1.00	50.00	50.00	1.842	1.842	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
12	3:45	1.00	0.658	1.00	50.00	50.00	0.198	0.198	1.00
13	4:27	1.00	0.781	1.00	50.00	50.00	3.507	3.507	1.00
14	4:48	1.00	0.842	1.00	50.00	50.00	1.738	1.738	1.00
15	5:15	1.00	0.921	1.00	50.00	50.00	1.748	1.748	1.00
16	6:15	1.00	1.096	1.00	50.00	50.00	2.225	2.225	1.00
17	6:45	1.00	1.184	1.00	50.00	50.00	1.676	1.676	1.00
18	7:15	1.00	1.272	1.00	50.00	50.00	2.203	2.203	1.00
19	7:48	1.00	1.368	1.00	50.00	50.00	1.007	1.007	1.00
20	7:39	1.00	0.562	1.00	50.00	50.00	0.098	0.098	1.00
21	8:48	1.00	0.647	1.00	50.00	50.00	0.192	0.192	1.00
22	9:06	1.00	0.669	1.00	50.00	50.00	0.294	0.294	1.00
23	9:09	1.00	0.673	1.00	50.00	50.00	0.082	0.082	1.00
24	9:33	1.00	0.702	1.00	50.00	50.00	0.502	0.502	1.00
25	10:33	1.00	0.776	1.00	50.00	50.00	0.468	0.468	1.00
26	10:48	1.00	0.794	1.00	50.00	50.00	0.670	0.670	1.00
27	11:12	1.00	0.824	1.00	50.00	50.00	0.550	0.550	1.00
28	11:33	1.00	0.849	1.00	50.00	50.00	1.058	1.058	1.00
29	11:45	1.00	0.864	1.00	50.00	50.00	0.460	0.460	1.00
30	11:48	1.00	0.868	1.00	50.00	50.00	0.271	0.271	1.00
31	11:51	1.00	0.871	1.00	50.00	50.00	0.345	0.345	1.00
32	12:39	1.00	0.930	1.00	50.00	50.00	0.147	0.147	1.00
33	13:57	1.00	1.026	1.00	50.00	50.00	0.277	0.277	1.00
34	14:12	1.00	0.809	1.00	50.00	50.00	0.264	0.264	1.00
35	15:27	1.00	0.880	1.00	50.00	50.00	0.193	0.193	1.00
36	15:42	1.00	0.895	1.00	50.00	50.00	0.815	0.815	1.00
37	15:45	1.00	0.897	1.00	50.00	50.00	0.457	0.457	1.00
38	16:42	1.00	0.952	1.00	50.00	50.00	0.790	0.790	1.00
39	17:39	1.00	1.006	1.00	50.00	50.00	1.086	1.086	1.00
40	19:09	1.00	1.091	1.00	50.00	50.00	1.584	1.584	1.00
41	22:00	1.00	1.254	1.00	50.00	50.00	0.909	0.909	1.00
42	22:48	1.00	1.299	1.00	50.00	50.00	0.558	0.558	1.00
43	12:39	1.00	0.930	1.00	50.00	50.00	0.001	0.001	1.00

MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 8:23:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
76 - # 73 - # 80

DATA: VBLK011689 # 76
CALI: VBLK011689 # 3

BASE M/Z: 43
RIC: 457.



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 8:49:08
DATA FILE: VBLK0116B9
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	5	1	61	VSTDS/V2
3	3	1	53	11	4	1	67	VSTDS/V3
3	3	1	53	11	7	1	46	VSTDS/V4
3	3	1	53	12	8	2	43	VSTDS/V5

43 COMPOUNDS PROCESSED, 18 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	994	.	128	115	.	1
2	VV	2	273	273	273	.	1	998	.	114	273	.	1
3	VV	3	353	352	352	.	1	994	.	117	352	.	1
4	VV	4	156	156	155	-1	1	974	.	65	155	.	1
5	VV	5	333	332	332	.	1	1000	.	98	332	.	1
6	VV	6	422	421	421	.	1	989	.	95	421	.	1
7	VV	7	22	22	.	.	.	.	.	50	21	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	73	72	-1	1	891	.	49	72	.	1
12	VV	12	77	77	77	.	1	998	.	43	77	.	1
13	VV	13	92	92	.	.	.	.	.	76	90	.	1
14	VV	14	99	99	.	.	.	.	.	101	97	.	1
15	VV	15	107	107	.	.	.	.	.	61	106	.	1
16	VV	16	127	127	.	.	.	.	.	63	.	.	.
17	VV	17	136	136	.	.	.	.	.	61	136	.	1
18	VV	18	147	147	.	.	.	.	.	83	146	.	1
19	VV	19	157	157	.	.	.	.	.	62	156	.	1
20	VV	20	155	155	154	-1	1	993	.	43	154	.	1
21	VV	21	178	178	.	.	.	.	.	61	.	.	.
22	VV	22	183	183	.	.	.	.	.	117	.	.	.
[illegible]	VV	23	184	184	.	.	.	.	.	43	.	.	.
[illegible]	VV	24	192	192	.	.	.	.	.	83	.	.	.
25	VV	25	213	213	.	.	.	.	.	63	.	.	.
26	VV	26	217	217	.	.	.	.	.	75	217	.	1
27	VV	27	225	224	224	.	1	924	.	130	225	1	1
28	VV	28	232	231	.	.	.	.	.	78	232	.	1
29	VV	29	237	236	236	.	1	935	.	129	236	.	1
30	VV	30	237	236	.	.	.	.	.	75	237	.	1
31	VV	31	238	237	237	.	1	958	.	83	237	.	1
32	VV	32	254	253	.	.	.	.	.	63	253	.	1
33	VV	33	280	279	.	.	.	.	.	173	279	.	1
34	VV	34	286	285	285	.	1	994	.	43	285	.	1
35	VV	35	310	310	310	.	2	997	.	43	310	.	1
36	VV	36	316	315	315	.	1	900	.	166	315	.	1
37	VV	37	316	315	316	1	1	995	.	83	316	.	1
38	VV	38	336	335	.	.	.	.	.	92	335	.	1
39	VV	39	354	353	.	.	.	.	.	112	354	.	1
40	VV	40	385	384	384	.	1	859	.	91	384	.	1
41	VV	41	441	440	440	.	1	855	.	104	439	-1	1
42	VV	42	458	457	.	.	.	.	.	106	456	.	1
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: VBLK011689

Data: VBLK011689.TI
01/16/89 8:23:00
Sample: VOA BLANK (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
resp. fac. from Library Entry

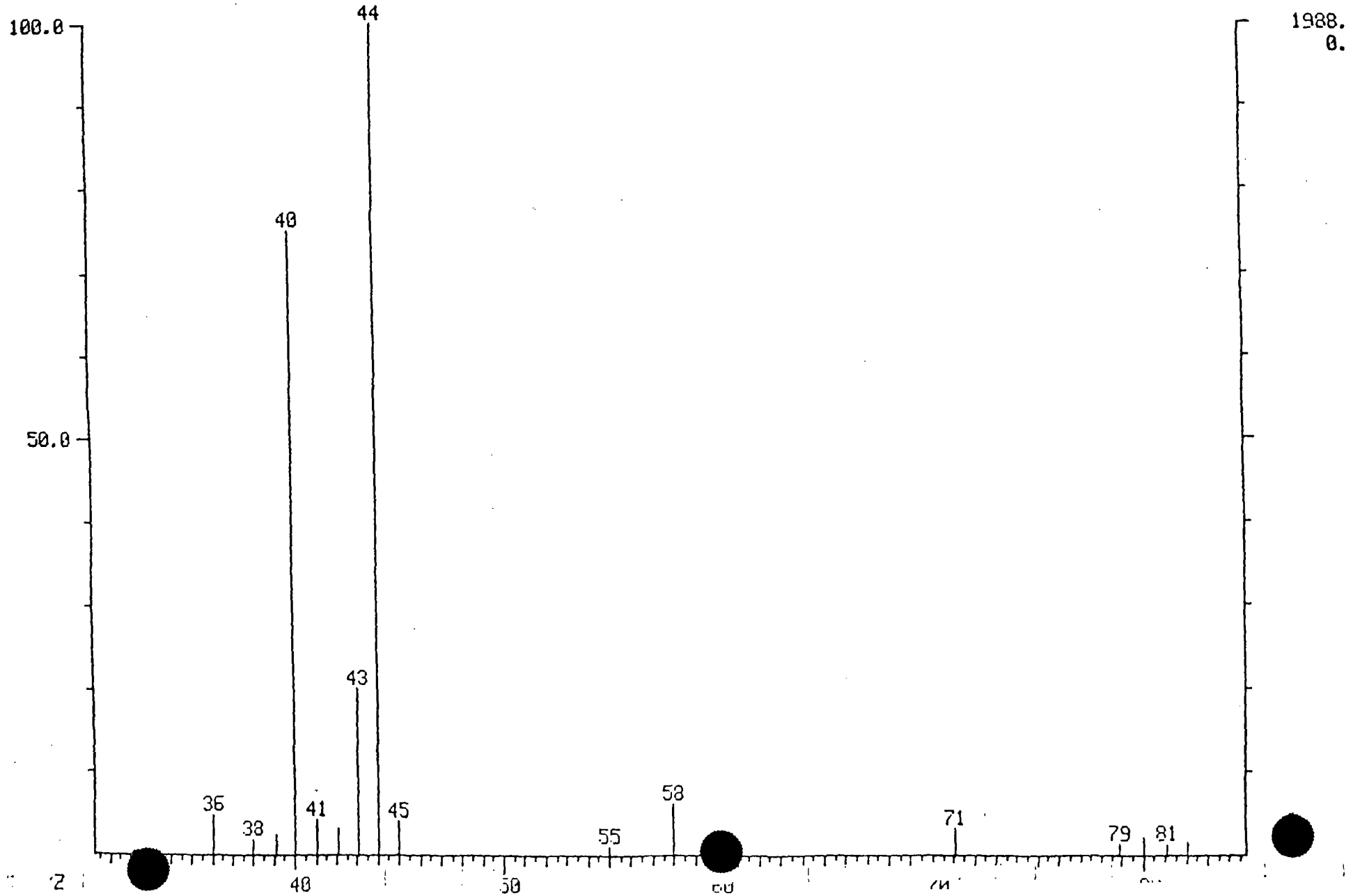
No	Name
1	BROMOCHLOROMETHANE (IS1)
2	1,4-DIFLUOROBENZENE (IS2)
3	CHLOROBENZENE-D5 (IS3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	ACETONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	53237.	50.000	UG/L	10.83
2	114	273	13:39	2	1.000	A BB	220780.	50.000	UG/L	10.83
3	117	352	17:36	3	1.000	A BB	162132.	50.000	UG/L	10.83
4	65	155	7:45	1	1.348	A BB	50670.	96.090	%	20.81
5	98	332	16:36	3	0.943	A BB	210754.	100.780	%	21.82
6	95	421	21:03	3	1.196	A BB	150005.	105.221	%	22.78
7	43	77	3:51	1	0.670	A BB	2047.	9.729	UG/L	2.11

MASS SPECTRUM
01/16/89 8:23:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
TEMP: 82 DEG. C

DATA: VBLK011689 #76
CALI: VBLK011689 #3

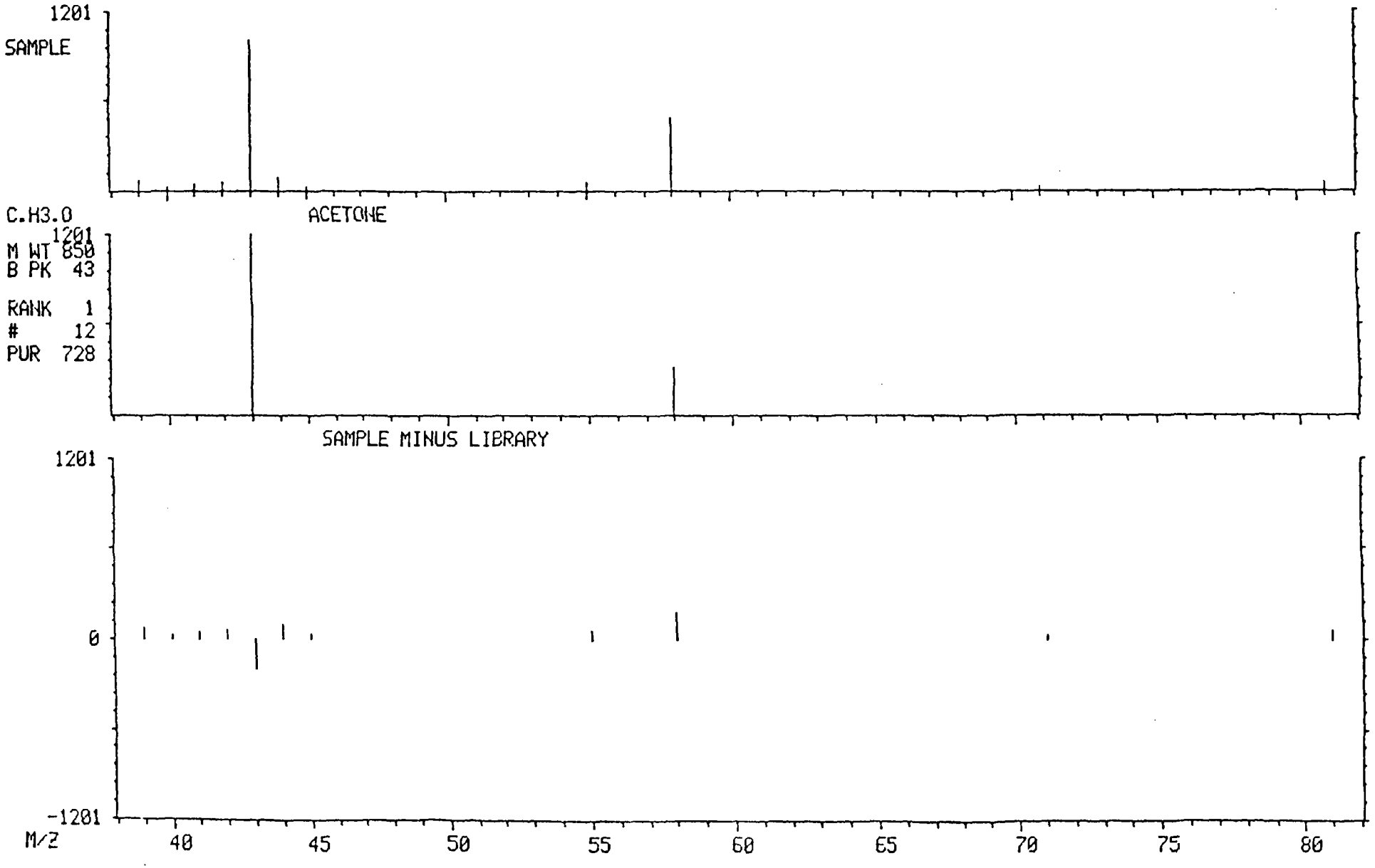
BASE M/Z: 44
RIC: 4624.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 8:23:00 + 3:48
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
76 - # 73 - # 80

DATA: VBLK011689 # 76
CALI: VBLK011689 # 3

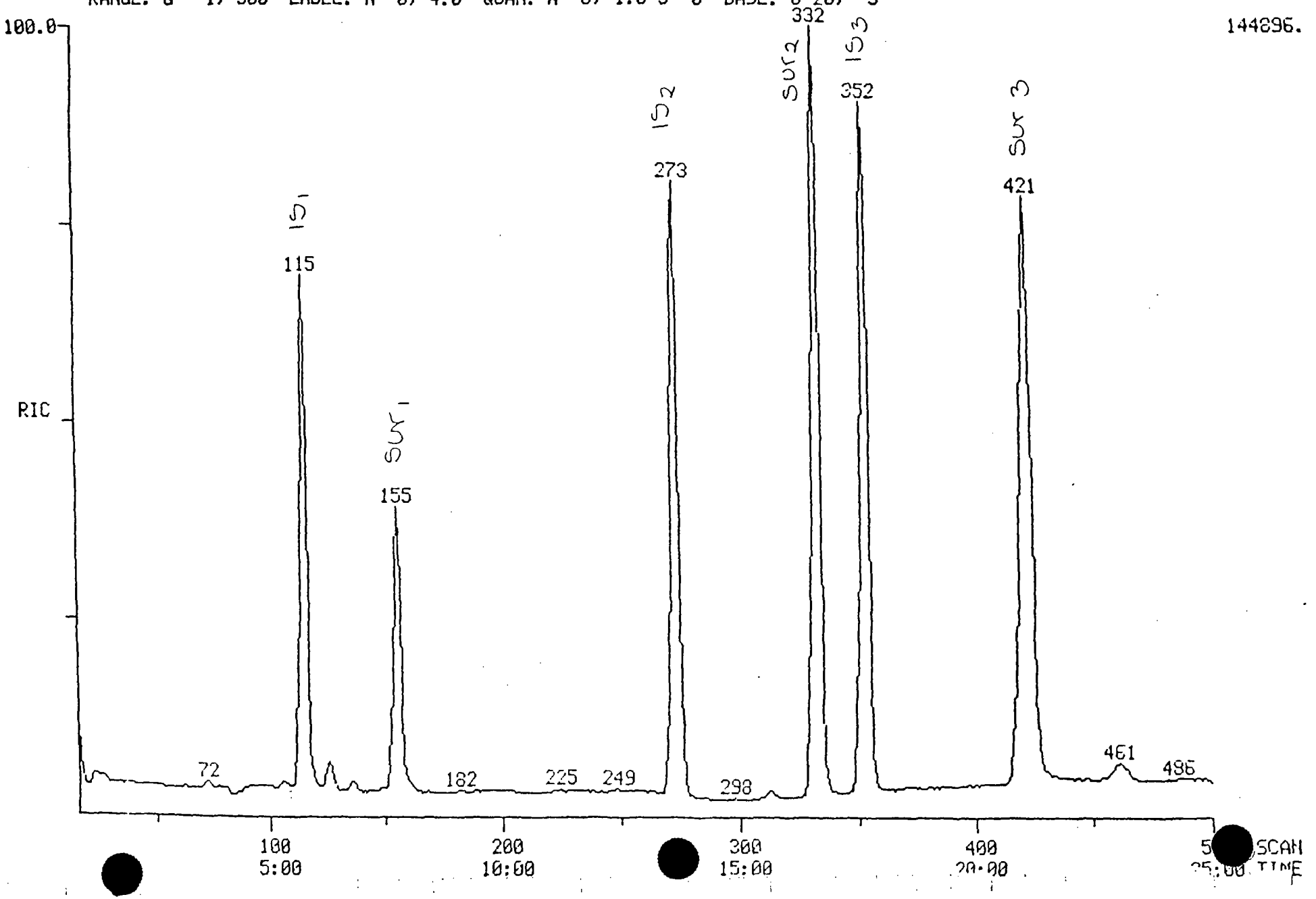
BASE M/Z: 43
RIC: 457.



RIC
01/16/89 11:18:00
SAMPLE: 8901JC03 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010421 #1
CALI: V9010421 #3

SCANS 15 TO 500



PROCEDURE: TCA
DATA FILE: V9010421
REFERENCE: TAB11
NAME LIST: VMASTER
REPORT: VSTDS

DIAGNOSTIC REPORT

1/16/89 11:46:03

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	8	1	58	VSTDS/V2
3	3	1	53	11	4	2	67	VSTDS/V3
3	3	1	53	11	5	1	54	VSTDS/V4
3	3	1	53	12	4	1	211	VSTDS/V5

43 COMPOUNDS PROCESSED, 15 FOUND

COMPOUND ID	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SEARCH FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	VV	1	115	115	115	.	1	991	.	128	115	.	1
2	VV	2	273	273	273	.	1	996	.	114	273	.	1
3	VV	3	353	352	352	.	1	989	.	117	352	.	1
4	VV	4	156	156	155	-1	1	973	.	65	155	.	1
5	VV	5	333	332	332	.	1	997	.	98	332	.	1
6	VV	6	422	421	421	.	1	991	.	95	421	.	1
7	VV	7	22	22	.	.	.	.	.	50	.	.	.
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	38	.	1
0	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	73	72	-1	1	995	.	49	72	.	1
12	VV	12	77	77	77	.	1	997	.	43	77	.	1
3	VV	13	92	92	.	.	.	.	.	76	.	.	.
4	VV	14	99	99	.	.	.	.	.	101	97	.	1
5	VV	15	107	107	106	-1	1	962	.	61	106	.	1
16	VV	16	127	127	126	-1	1	998	.	63	126	.	1
17	VV	17	136	136	136	.	1	995	.	61	136	.	1
8	VV	18	147	147	.	.	.	.	.	83	.	.	.
9	VV	19	157	157	.	.	.	.	.	62	156	.	1
0	VV	20	155	155	154	-1	2	991	.	43	154	.	1
21	VV	21	178	178	.	.	.	.	.	61	.	.	.
2	VV	22	183	183	.	.	.	.	.	117	.	.	.
3	VV	23	184	184	.	.	.	.	.	43	.	.	.
4	VV	24	192	192	.	.	.	.	.	83	.	.	.
25	VV	25	213	213	.	.	.	.	.	63	.	.	.
26	VV	26	217	217	.	.	.	.	.	75	.	.	.
7	VV	27	225	225	224	-1	1	922	.	130	224	.	1
8	VV	28	232	232	232	.	1	871	.	78	232	.	1
9	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
1	VV	31	238	238	.	.	.	.	.	83	.	.	.
2	VV	32	254	254	.	.	.	.	.	63	.	.	.
3	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	.	.	.	.	.	43	287	.	1
35	VV	35	310	311	313	2	1	903	.	43	313	.	1
6	VV	36	316	317	.	.	.	.	.	166	315	.	1
7	VV	37	316	317	.	.	.	.	.	83	.	.	.
38	VV	38	336	337	.	.	.	.	.	92	335	.	1
39	VV	39	354	355	.	.	.	.	.	112	.	.	.
0	VV	40	385	386	.	.	.	.	.	91	385	.	1
1	VV	41	441	442	.	.	.	.	.	104	441	.	1
2	VV	42	458	459	.	.	.	.	.	106	458	.	1
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010421

Data: V9010421.TI
01/16/89 11:18:00
Sample: 8901JC03 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (IS1)
2	1,4-DIFLUOROBENZENE (IS2)
3	CHLOROBENZENE-D5 (IS3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

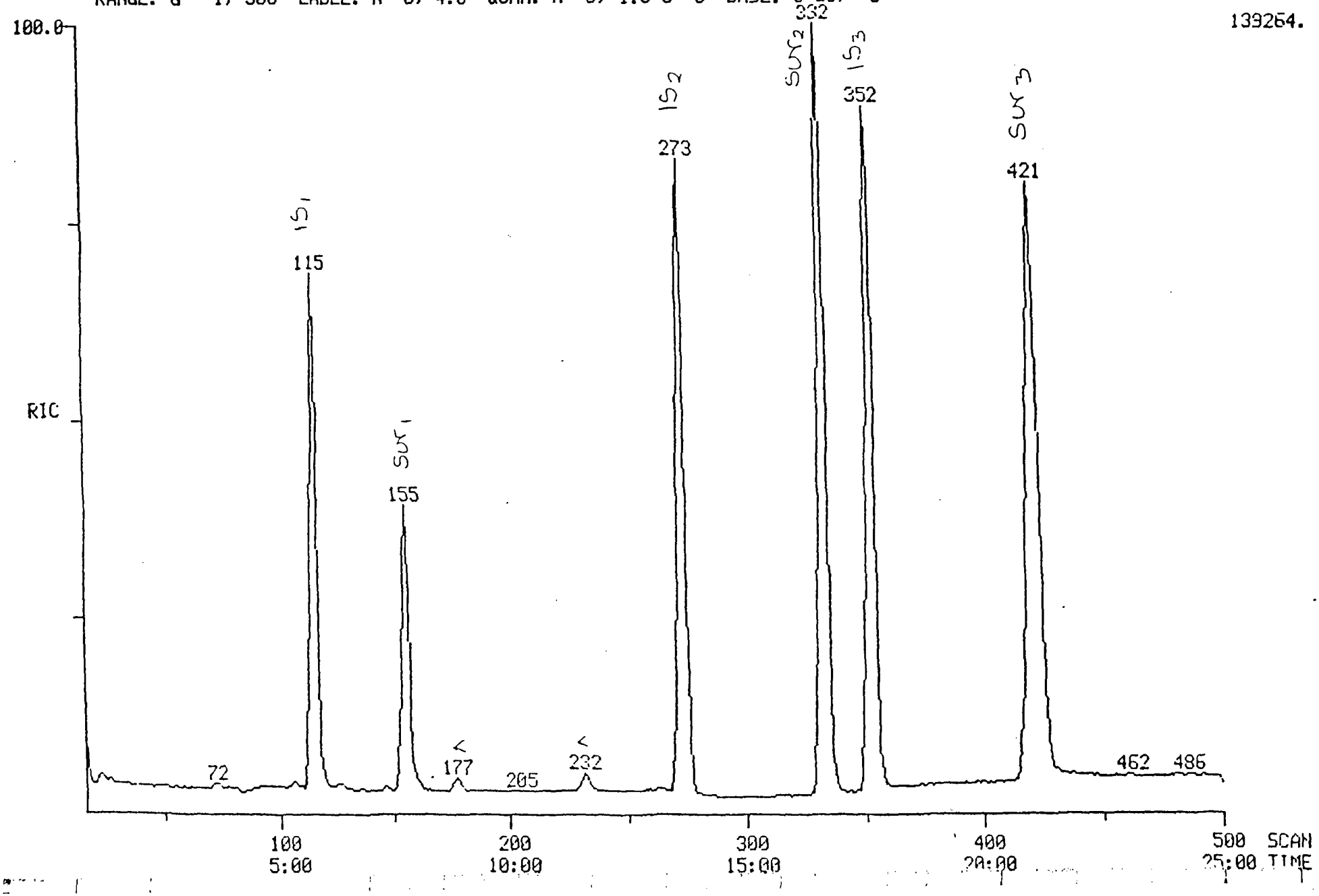
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	48845.	50.000 UG/L	11.09
2	114	273	13:39	2	1.000	A BB	181319.	50.000 UG/L	11.09
3	117	352	17:36	3	1.000	A BB	152515.	50.000 UG/L	11.09
4	65	155	7:45	1	1.348	A BB	47136.	97.426 %	21.61
5	98	332	16:36	3	0.943	A BB	198595.	100.954 %	22.40
6	95	421	21:03	3	1.196	A BB	137290.	102.375 %	22.71

RIC
01/16/89 11:53:00
SAMPLE: 8901JC04 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010422 #1
CALI: V9010422 #3

SCANS 15 TO 500

139264.



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 12:22:29
DATA FILE: V9010422
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

---- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	1	56	VSTDS/V2
3	3	1	53	11	6	1	295	VSTDS/V3
3	3	1	53	11	4	1	41	VSTDS/V4
3	3	1	53	12	4	2	211	VSTDS/V5

43 COMPOUNDS PROCESSED, 17 FOUND

< COMPOUND ><			---------- SEARCH ----------					>< SAT ><	------ CHRO ------ >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	991	.	128	115	.	1
2	VV	2	273	273	273	.	1	995	.	114	273	.	1
3	VV	3	353	352	352	.	1	991	.	117	352	.	1
4	VV	4	156	156	155	-1	1	973	.	65	155	.	1
5	VV	5	333	332	332	.	1	999	.	98	332	.	1
6	VV	6	422	421	421	.	1	989	.	95	421	.	1
7	VV	7	22	22	.	.	.	.	.	50	22	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	964	.	49	72	.	1
12	VV	12	77	76	77	1	1	1000	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	.	.	.
14	VV	14	99	98	.	.	.	.	.	101	97	.	1
15	VV	15	107	106	106	.	1	994	.	61	106	.	1
16	VV	16	127	126	126	.	1	946	.	63	126	.	1
17	VV	17	136	135	136	1	1	956	.	61	136	.	1
18	VV	18	147	146	146	.	1	949	.	83	146	.	1
19	VV	19	157	155	.	.	.	.	.	62	155	.	1
20	VV	20	155	153	154	1	1	991	.	43	154	.	1
21	VV	21	178	176	177	1	1	987	.	61	177	.	1
22	VV	22	183	181	176	-5	1	920	.	117	177	1	1
23	VV	23	184	182	.	.	.	.	.	43	.	.	.
24	VV	24	192	190	.	.	.	.	.	83	.	.	.
25	VV	25	213	211	.	.	.	.	.	63	.	.	.
26	VV	26	217	215	.	.	.	.	.	75	217	.	1
27	VV	27	225	225	.	.	.	.	.	130	224	.	1
28	VV	28	232	232	232	.	1	996	.	78	232	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	.	.	.	.	.	43	286	.	1
35	VV	35	310	311	313	2	2	881	.	43	.	.	.
36	VV	36	316	317	.	.	.	.	.	166	.	.	.
37	VV	37	316	317	.	.	.	.	.	83	.	.	.
38	VV	38	336	337	.	.	.	.	.	92	335	.	1
39	VV	39	354	355	.	.	.	.	.	112	.	.	.
40	VV	40	385	386	.	.	.	.	.	91	385	.	1
41	VV	41	441	442	.	.	.	.	.	104	441	.	1
42	VV	42	458	459	.	.	.	.	.	106	.	.	.
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010422

Data: V9010422.TI
01/16/89 11:53:00
Sample: 8901JC04 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

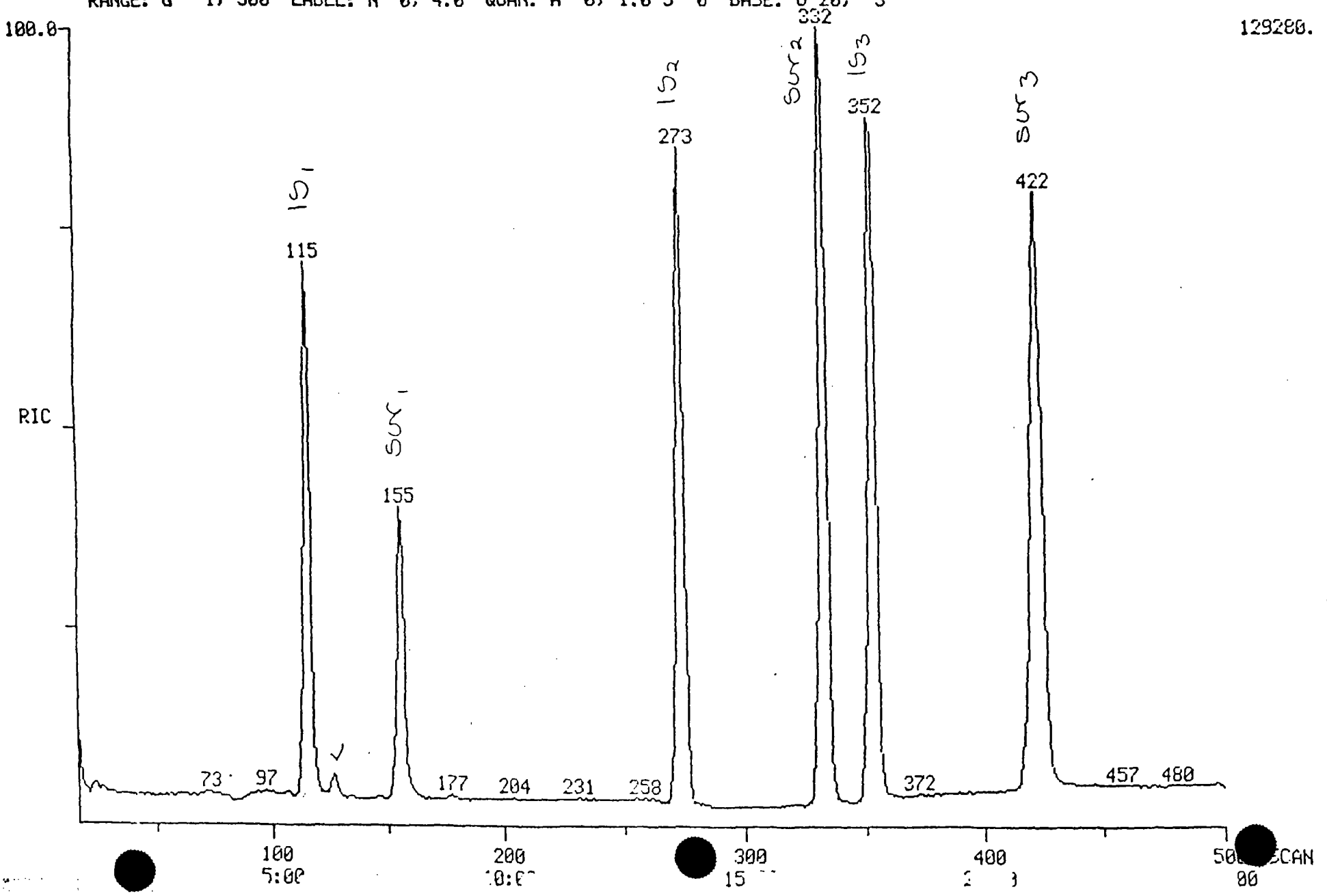
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	46655.	50.000 UG/L	10.97
2	114	273	13:39	2	1.000	A BB	178702.	50.000 UG/L	10.97
3	117	352	17:36	3	1.000	A BB	145290.	50.000 UG/L	10.97
4	65	155	7:45	1	1.348	A BB	45372.	98.182 %	21.54
5	98	332	16:36	3	0.943	A BB	191288.	102.076 %	22.39
6	95	421	21:03	3	1.196	A BB	134927.	105.617 %	23.17

RIC
01/16/89 12:29:00
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010423 #1
CALI: V9010423 #3

SCANS 15 TO 500



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 12:59:49
DATA FILE: V9010423
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	2	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	2	71	VSTDS/V2
3	3	1	53	11	5	1	59	VSTDS/V3
3	3	1	53	11	5	1	119	VSTDS/V4
3	3	1	53	12	3	1	53	VSTDS/V5

43 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------ >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	993	.	128	115	.	1
2	VV	2	273	273	273	.	1	998	.	114	273	.	1
3	VV	3	353	352	352	.	1	993	.	117	352	.	1
4	VV	4	156	156	155	-1	1	975	.	65	155	.	1
5	VV	5	333	332	332	.	1	1000	.	98	332	.	1
6	VV	6	422	421	421	.	2	988	.	95	422	1	1
7	VV	7	22	22	.	.	.	.	.	50	.	.	.
8	VV	8	32	32	.	.	.	.	.	94	34	.	1
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	995	.	49	72	.	1
12	VV	12	77	76	77	1	1	996	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	.	.	.
14	VV	14	99	98	97	-1	1	898	.	101	98	1	1
15	VV	15	107	106	106	.	1	956	.	61	106	.	1
16	VV	16	127	126	126	.	1	995	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	.	.	.
18	VV	18	147	146	146	.	2	936	.	83	146	.	1
19	VV	19	157	157	.	.	.	.	.	62	155	.	1
20	VV	20	155	155	154	-1	1	996	.	43	154	.	1
21	VV	21	178	178	178	.	1	959	.	61	177	-1	1
22	VV	22	183	183	.	.	.	.	.	117	.	.	.
23	VV	23	184	184	.	.	.	.	.	43	.	.	.
24	VV	24	192	192	.	.	.	.	.	83	.	.	.
25	VV	25	213	213	.	.	.	.	.	63	.	.	.
26	VV	26	217	217	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	225	.	1	850	.	130	.	.	.
28	VV	28	232	232	234	2	1	884	.	78	233	-1	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	.	.	.	.	.	43	284	.	1
35	VV	35	310	309	.	.	.	.	.	43	310	.	1
36	VV	36	316	315	.	.	.	.	.	166	.	.	.
37	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	335	.	.	.	.	.	92	335	.	1
39	VV	39	354	353	.	.	.	.	.	112	354	.	1
40	VV	40	385	384	.	.	.	.	.	91	384	.	1
41	VV	41	441	440	.	.	.	.	.	104	.	.	.
42	VV	42	458	457	.	.	.	.	.	106	456	.	1
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010423

Data: V9010423.TI
01/16/89 12:29:00
Sample: 8901JC07 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

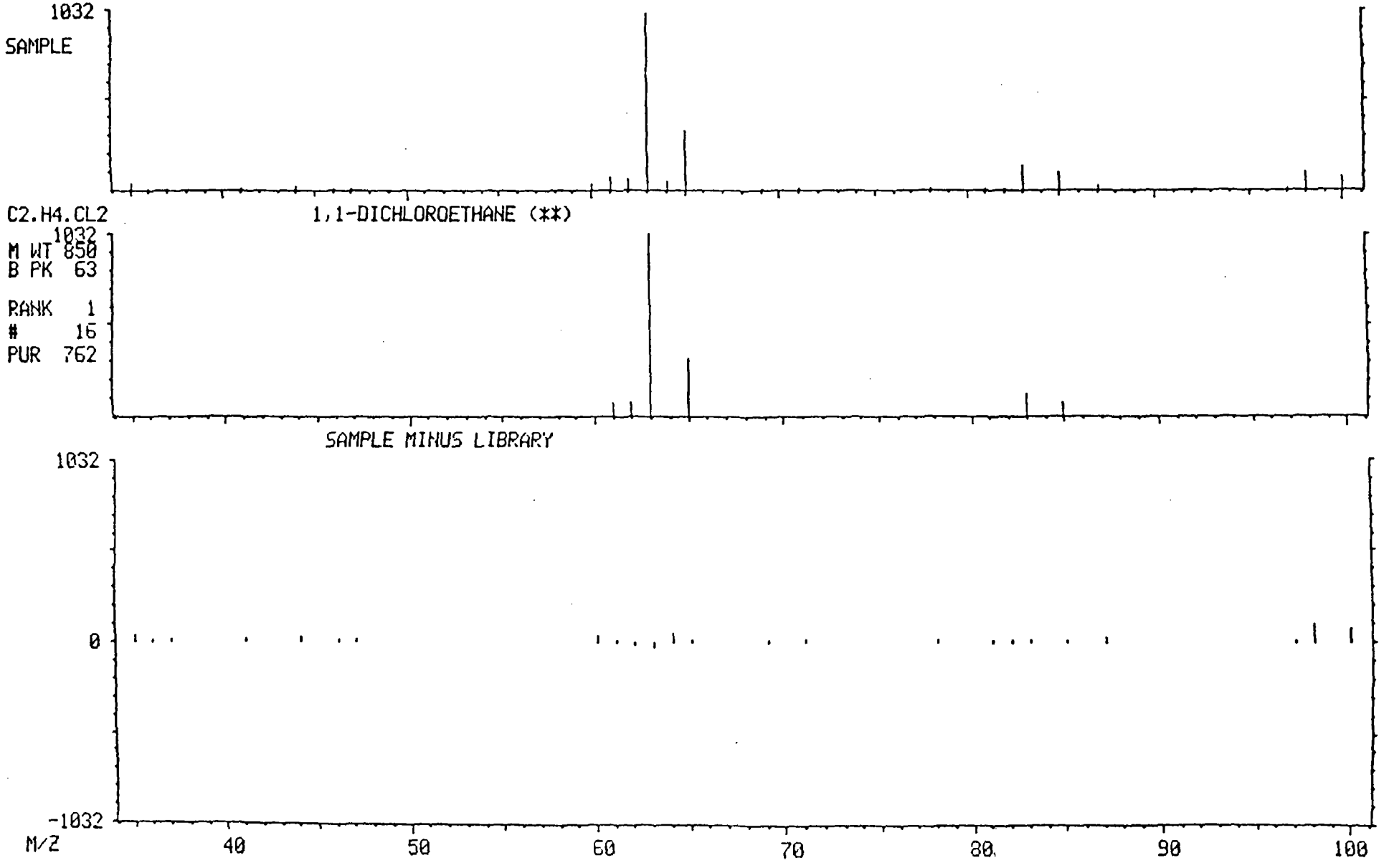
No	Name
1	BROMOCHLOROMETHANE (IS1)
2	1,4-DIFLUOROBENZENE (IS2)
3	CHLOROBENZENE-D5 (IS3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHANE (**)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	44129.	50.000	UG/L	10.92
2	114	273	13:39	2	1.000	A BB	168627.	50.000	UG/L	10.92
3	117	352	17:36	3	1.000	A BB	137661.	50.000	UG/L	10.92
4	65	155	7:45	1	1.348	A BB	43735.	100.057	%	21.86
5	98	332	16:36	3	0.943	A BB	180718.	101.779	%	22.23
6	95	422	21:06	3	1.199	A BB	125129.	103.374	%	22.58
7	63	126	6:18	1	1.096	A BB	5102.	2.598	UG/L	0.57

MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 12:29:00 + 6:18
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
126 - # 120 - # 133

DATA: V9010423 # 126
CALI: V9010423 # 3

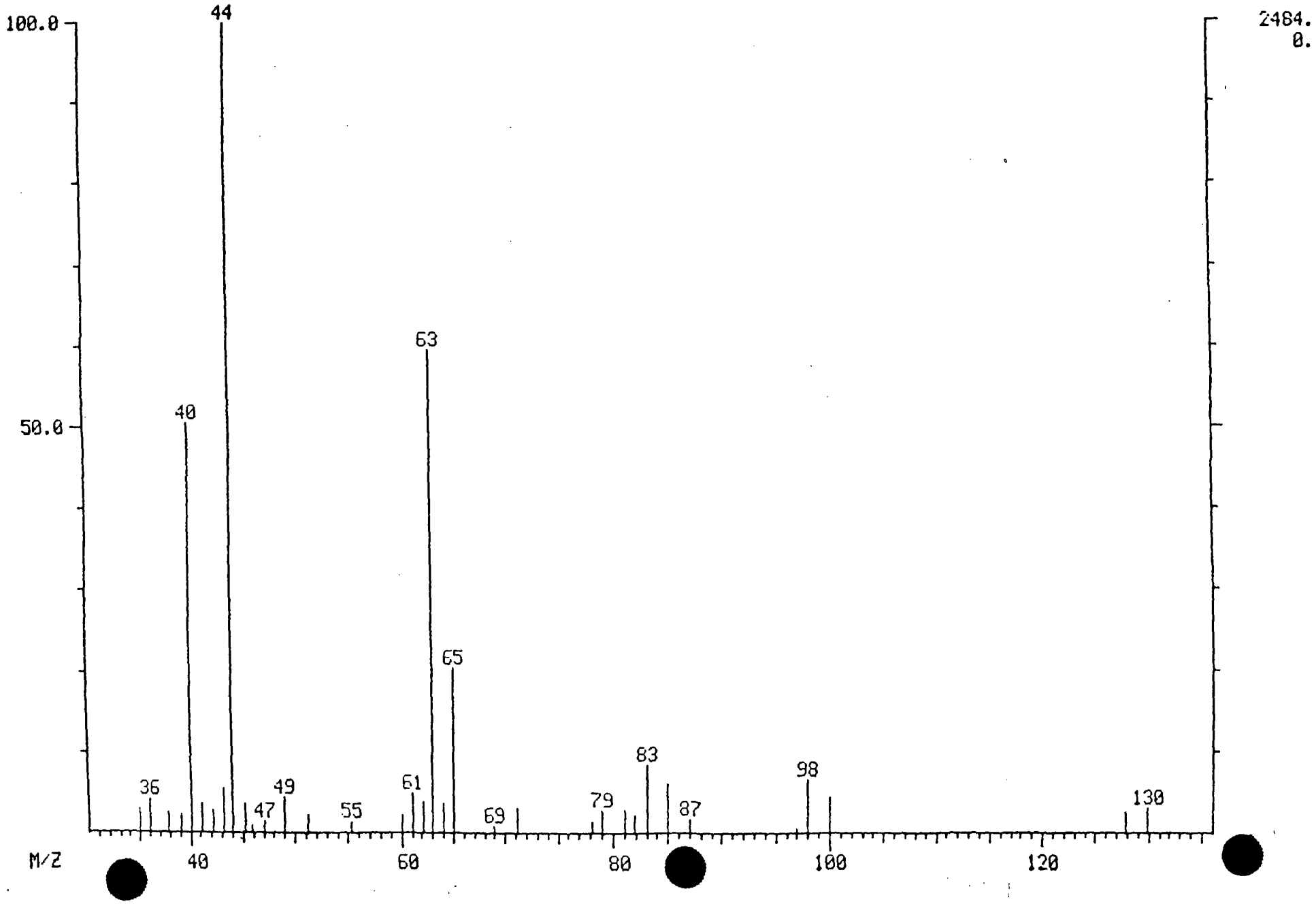
BASE M/Z: 63
RIC: 3264.



MASS SPECTRUM
01/16/89 12:29:00 + 6:18
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010423 #126
CALI: V9010423 #3

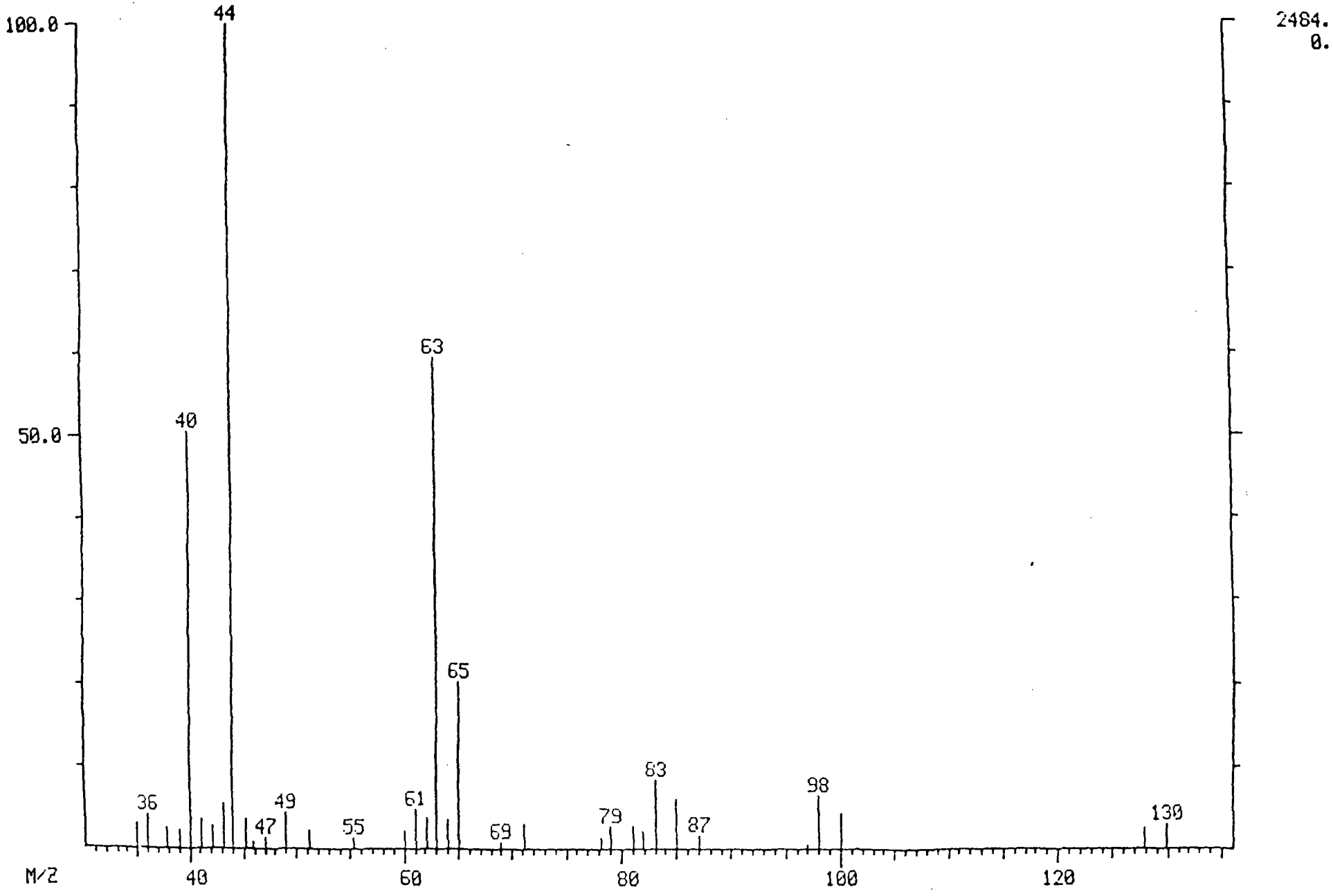
BASE M/Z: 44
RIC: 8112.



MASS SPECTRUM
01/16/89 12:29:00 + 6:18
SAMPLE: 8901JC07 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

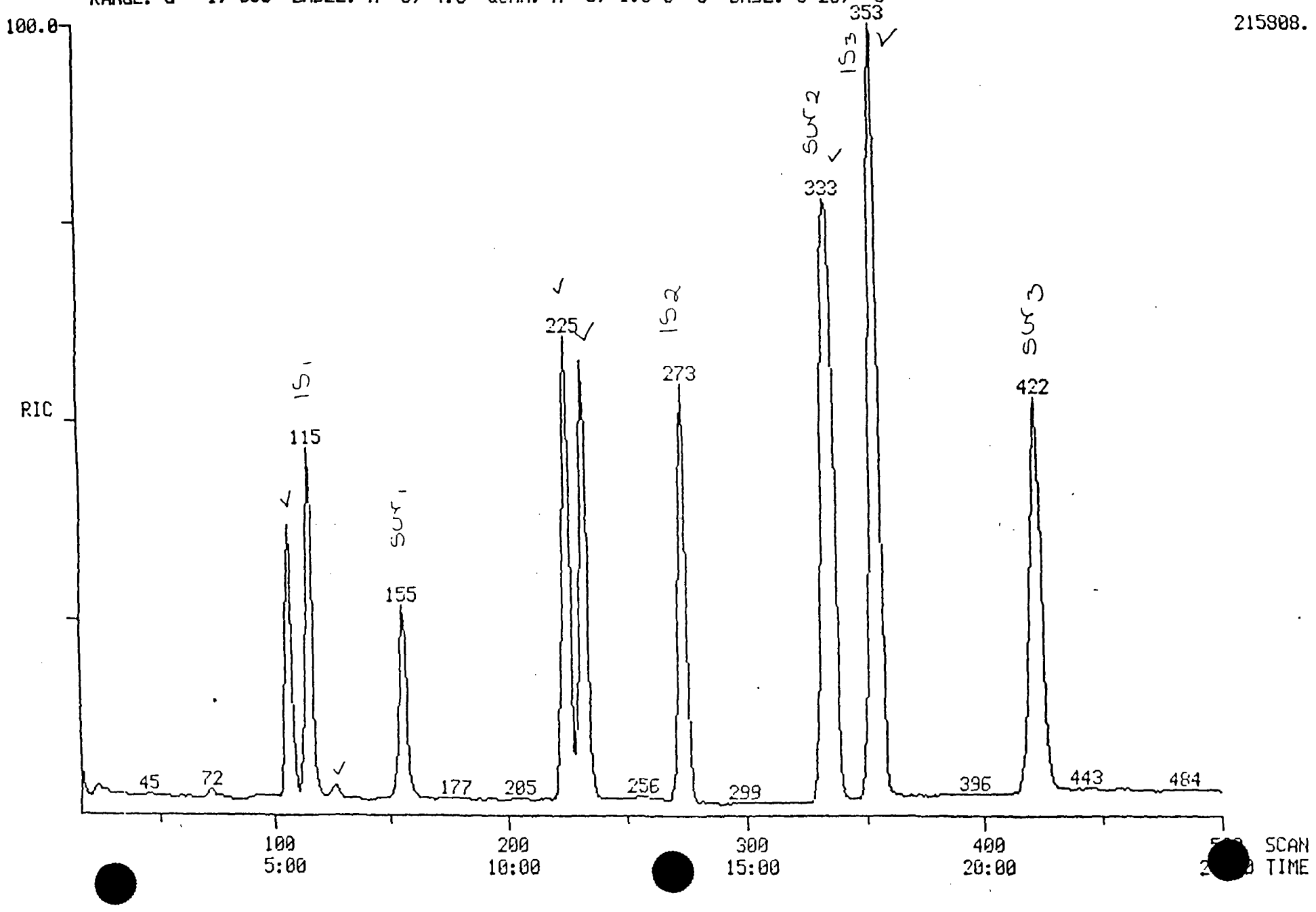
DATA: V9010423 #126
CALI: V9010423 #3

BASE M/Z: 44
RIC: 8112.



RIC
01/16/89 12:58:00
SAMPLE: MATRIX SPIKE (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010423MS #1 SCANS 15 TO 500
CALI: V9010423MS #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89-13:34:54
DATA FILE: V9010423MS
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	2	61	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	4	53	VSTDS/V2
3	3	1	53	11	5	1	62	VSTDS/V3
3	3	1	53	11	6	2	78	VSTDS/V4
3	3	1	53	12	7	4	81	VSTDS/V5

43 COMPOUNDS PROCESSED, 21 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	996	.	128	115	.	1
2	VV	2	273	273	273	.	1	997	.	114	273	.	1
3	VV	3	353	352	352	.	1	993	.	117	352	.	1
4	VV	4	156	156	155	-1	1	976	.	65	155	.	1
5	VV	5	333	332	332	.	1	998	.	98	332	.	1
6	VV	6	422	421	422	1	2	992	.	95	422	.	1
7	VV	7	22	22	.	.	.	.	.	50	23	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	1000	.	49	72	.	1
12	VV	12	77	76	77	1	4	995	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	.	.	.
14	VV	14	99	98	98	.	1	855	.	101	98	.	1
15	VV	15	107	106	106	.	1	990	.	61	106	.	1
16	VV	16	127	126	126	.	1	995	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	136	.	1
18	VV	18	147	146	146	.	1	938	.	83	146	.	1
19	VV	19	157	156	.	.	.	.	.	62	156	.	1
20	VV	20	155	154	154	.	1	996	.	43	154	.	1
21	VV	21	178	177	177	.	1	917	.	61	177	.	1
22	VV	22	183	182	.	.	.	.	.	117	.	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	225	.	1	996	.	130	225	.	1
28	VV	28	232	232	232	.	2	997	.	78	232	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	284	-1	1	851	.	43	.	.	.
35	VV	35	310	310	309	-1	1	869	.	43	311	2	1
36	VV	36	316	316	.	.	.	.	.	166	.	.	.
37	VV	37	316	316	.	.	.	.	.	83	318	.	1
38	VV	38	336	336	335	-1	1	998	.	92	335	.	1
39	VV	39	354	354	354	.	2	992	.	112	354	.	1
40	VV	40	385	385	.	.	.	.	.	91	384	.	1
41	VV	41	441	441	.	.	.	.	.	104	441	.	1
42	VV	42	458	458	459	1	2	926	.	106	458	-1	1
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010423MS

Data: V9010423MS.TI
01/16/89 12:58:00
Sample: MATRIX SPIKE (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

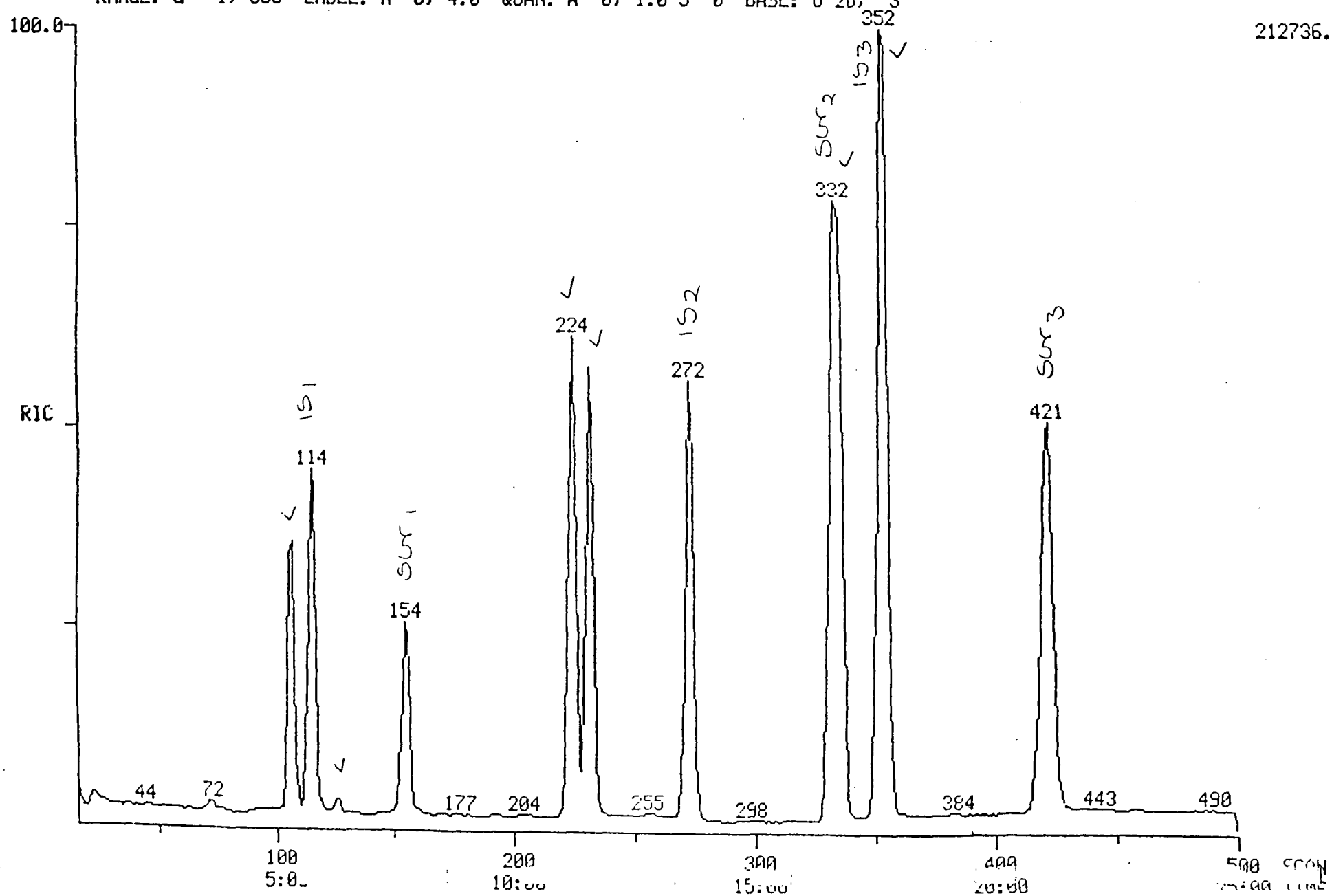
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHENE (*)
8	1,1-DICHLOROETHANE (**)
9	TRICHLOROETHENE
10	BENZENE
11	TOLUENE (*)
12	CHLOROBENZENE (**)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	48596.	50.000	UG/L	7.22
2	114	273	13:39	2	1.000	A BB	180062.	50.000	UG/L	7.22
3	117	352	17:36	3	1.000	A BB	154875.	50.000	UG/L	7.22
4	65	155	7:45	1	1.348	A BB	47514.	98.710	%	14.26
5	98	332	16:36	3	0.943	A BB	199112.	99.674	%	14.40
6	95	422	21:06	3	1.199	A BB	137162.	100.721	%	14.55
7	61	106	5:18	1	0.922	A BB	77392.	45.546	UG/L	6.58
8	63	126	6:18	1	1.096	A BB	4896.	2.264	UG/L	0.33
9	130	225	11:15	2	0.824	A BB	91098.	45.962	UG/L	6.64
10	78	232	11:36	2	0.850	A BB	192932.	50.615	UG/L	7.31
11	92	335	16:45	3	0.952	A BB	121560.	49.651	UG/L	7.17
12	112	354	17:42	3	1.006	A BB	165620.	49.227	UG/L	7.11

RIC
01/16/89 13:42:00
SAMPLE: MATRIX SPIKE DUP (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010423SD #2 SCANS 15 TO 500
CALI: V9010423SD #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 14:11:2
DATA FILE: V9010423SD
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	61	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	9	6	65	VSTDS/V2
3	3	1	53	11	5	1	31	VSTDS/V3
3	3	1	53	11	5	1	35	VSTDS/V4
3	3	1	53	12	7	2	56	VSTDS/V5

43 COMPOUNDS PROCESSED, 20 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	114	114	.	1	994	.	128	114	.	1
2	VV	2	273	272	272	.	1	1000	.	114	272	.	1
3	VV	3	353	351	351	.	1	993	.	117	351	.	1
4	VV	4	156	155	154	-1	1	973	.	65	154	.	1
5	VV	5	333	331	331	.	1	999	.	98	331	.	1
6	VV	6	422	420	421	1	1	993	.	95	421	.	1
7	VV	7	22	21	.	.	.	.	.	50	22	.	1
8	VV	8	32	31	.	.	.	.	.	94	.	.	.
9	VV	9	-37	36	.	.	.	.	.	62	.	.	.
10	VV	10	48	47	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	996	.	49	72	.	1
12	VV	12	77	76	77	1	3	1000	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	.	.	.
14	VV	14	99	98	97	-1	1	852	.	101	97	.	1
15	VV	15	107	106	106	.	1	994	.	61	106	.	1
16	VV	16	127	126	126	.	2	998	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	.	.	.
18	VV	18	147	146	145	-1	1	860	.	83	145	.	1
19	VV	19	157	156	.	.	.	.	.	62	155	.	1
20	VV	20	155	154	154	.	1	997	.	43	154	.	1
21	VV	21	178	177	177	.	1	911	.	61	177	.	1
22	VV	22	183	182	.	.	.	.	.	117	.	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	224	224	.	1	995	.	130	224	.	1
28	VV	28	232	231	231	.	1	996	.	78	231	.	1
29	VV	29	237	236	.	.	.	.	.	129	.	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.	.
31	VV	31	238	237	.	.	.	.	.	83	.	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	.	.	.	.	.	43	.	.	.
35	VV	35	310	309	.	.	.	.	.	43	.	.	.
36	VV	36	316	315	.	.	.	.	.	166	.	.	.
37	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	335	334	-1	1	998	.	92	334	.	1
39	VV	39	354	353	353	.	1	995	.	112	353	.	1
40	VV	40	385	383	383	.	1	893	.	91	383	.	1
41	VV	41	441	439	.	.	.	.	.	104	.	.	.
42	VV	42	458	456	457	1	2	922	.	106	458	1	1
43	VV	43	-254	253	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010423SD

Data: V9010423SD.TI
01/16/89 13:42:00
Sample: MATRIX SPIKE DUP (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHENE (*)
8	1,1-DICHLOROETHANE (**)
9	TRICHLOROETHENE
10	BENZENE
11	TOLUENE (*)
12	CHLOROBENZENE (**)

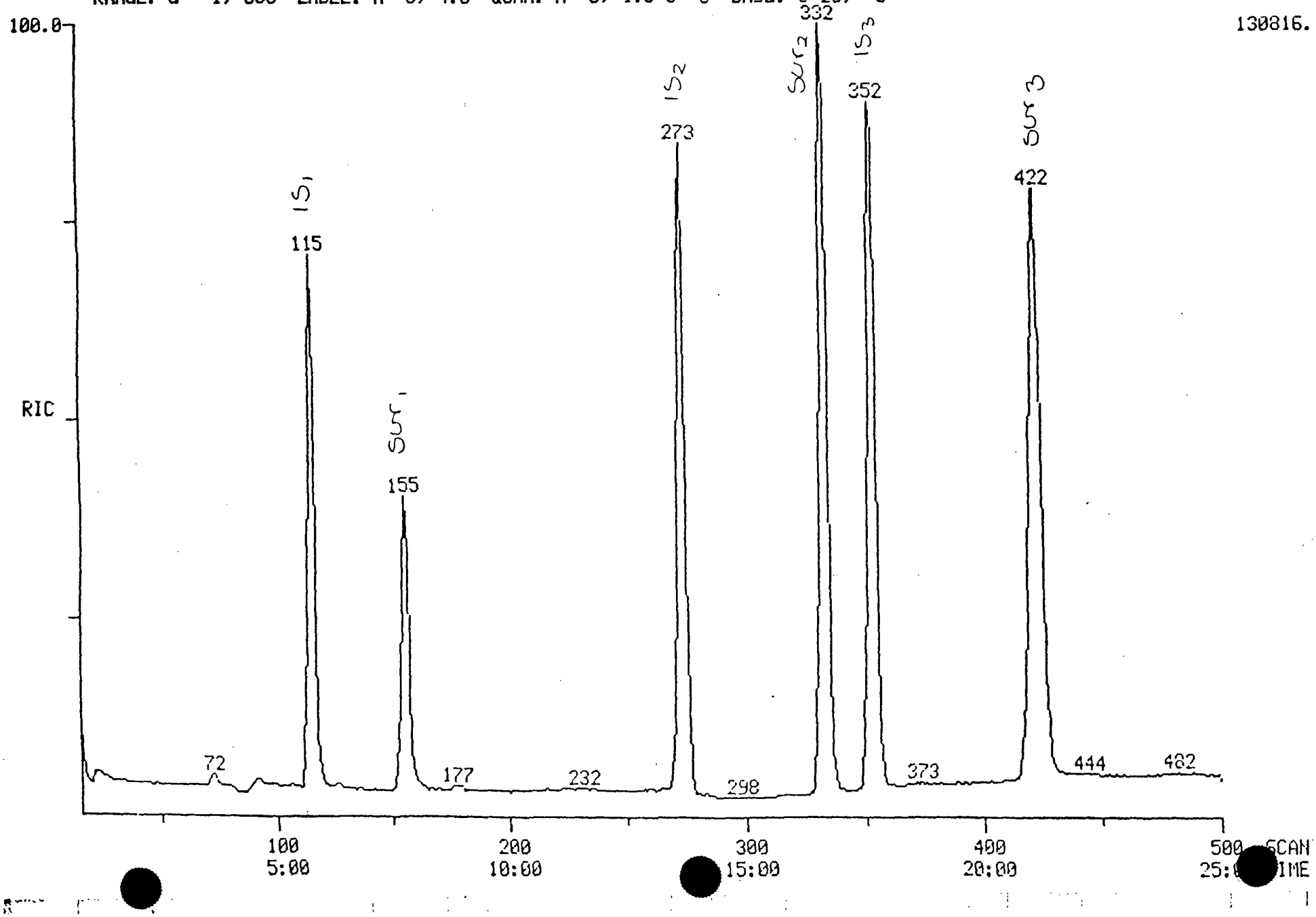
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47658.	50.000	UG/L	7.20
2	114	272	13:36	2	1.000	A BB	183319.	50.000	UG/L	7.20
3	117	351	17:33	3	1.000	A BB	151310.	50.000	UG/L	7.20
4	65	154	7:42	1	1.351	A BB	46758.	99.051	%	14.27
5	98	331	16:33	3	0.943	A BB	199027.	101.979	%	14.69
6	95	421	21:03	3	1.199	A BB	134603.	101.170	%	14.58
7	61	106	5:18	1	0.930	A BB	76947.	46.176	UG/L	6.65
8	63	126	6:18	1	1.105	A BB	4640.	2.187	UG/L	0.32
9	130	224	11:12	2	0.824	A BB	89970.	44.586	UG/L	6.42
10	78	231	11:33	2	0.849	A BB	191324.	49.301	UG/L	7.10
11	92	334	16:42	3	0.952	A BB	119367.	49.904	UG/L	7.19
12	112	353	17:39	3	1.006	A BB	163274.	49.673	UG/L	7.16

RIC
01/16/89 14:20:00
SAMPLE: 8901JC08 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010424 #1
CALI: V9010424 #3

SCANS 15 TO 500

130816.



PROCEDURE: TCA DIAGNOSTIC REPORT 1/16/89 14:48:40
DATA FILE: V9010424
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	2	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	7	1	58	VSTDS/V2
3	3	1	53	11	5	1	62	VSTDS/V3
3	3	1	53	11	5	1	35	VSTDS/V4
3	3	1	53	12	4	2	147	VSTDS/V5

43 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	994	.	128	115	.	1
2	VV	2	273	273	273	.	1	998	.	114	273	.	1
3	VV	3	353	352	352	.	1	988	.	117	352	.	1
4	VV	4	156	156	155	-1	1	974	.	65	155	.	1
5	VV	5	333	332	332	.	1	999	.	98	332	.	1
6	VV	6	422	421	421	.	2	986	.	95	422	1	1
7	VV	7	22	22	.	.	.	.	.	50	22	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	995	.	49	72	.	1
12	VV	12	77	76	77	1	1	997	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	91	.	1
14	VV	14	99	98	.	.	.	.	.	101	97	.	1
15	VV	15	107	106	106	.	1	889	.	61	106	.	1
16	VV	16	127	126	126	.	1	907	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	.	.	.
18	VV	18	147	146	.	.	.	.	.	83	146	.	1
19	VV	19	157	156	.	.	.	.	.	62	155	.	1
20	VV	20	155	154	154	.	1	988	.	43	154	.	1
21	VV	21	178	177	177	.	1	964	.	61	178	1	1
22	VV	22	183	182	.	.	.	.	.	117	.	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	225	.	1	916	.	130	225	.	1
28	VV	28	232	232	232	.	1	972	.	78	232	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	.	.	.	.	.	43	.	.	.
35	VV	35	310	309	307	-2	2	856	.	43	.	.	.
36	VV	36	316	315	.	.	.	.	.	166	316	.	1
37	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	334	.	.	.	.	.	92	335	.	1
39	VV	39	354	352	.	.	.	.	.	112	354	.	1
40	VV	40	385	383	.	.	.	.	.	91	384	.	1
41	VV	41	441	439	.	.	.	.	.	104	439	.	1
42	VV	42	458	456	.	.	.	.	.	106	.	.	.
43	VV	43	-254	253	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010424

Data: V9010424.TI
01/16/89 14:20:00
Sample: 8901JC0B (5ML)
Cmds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

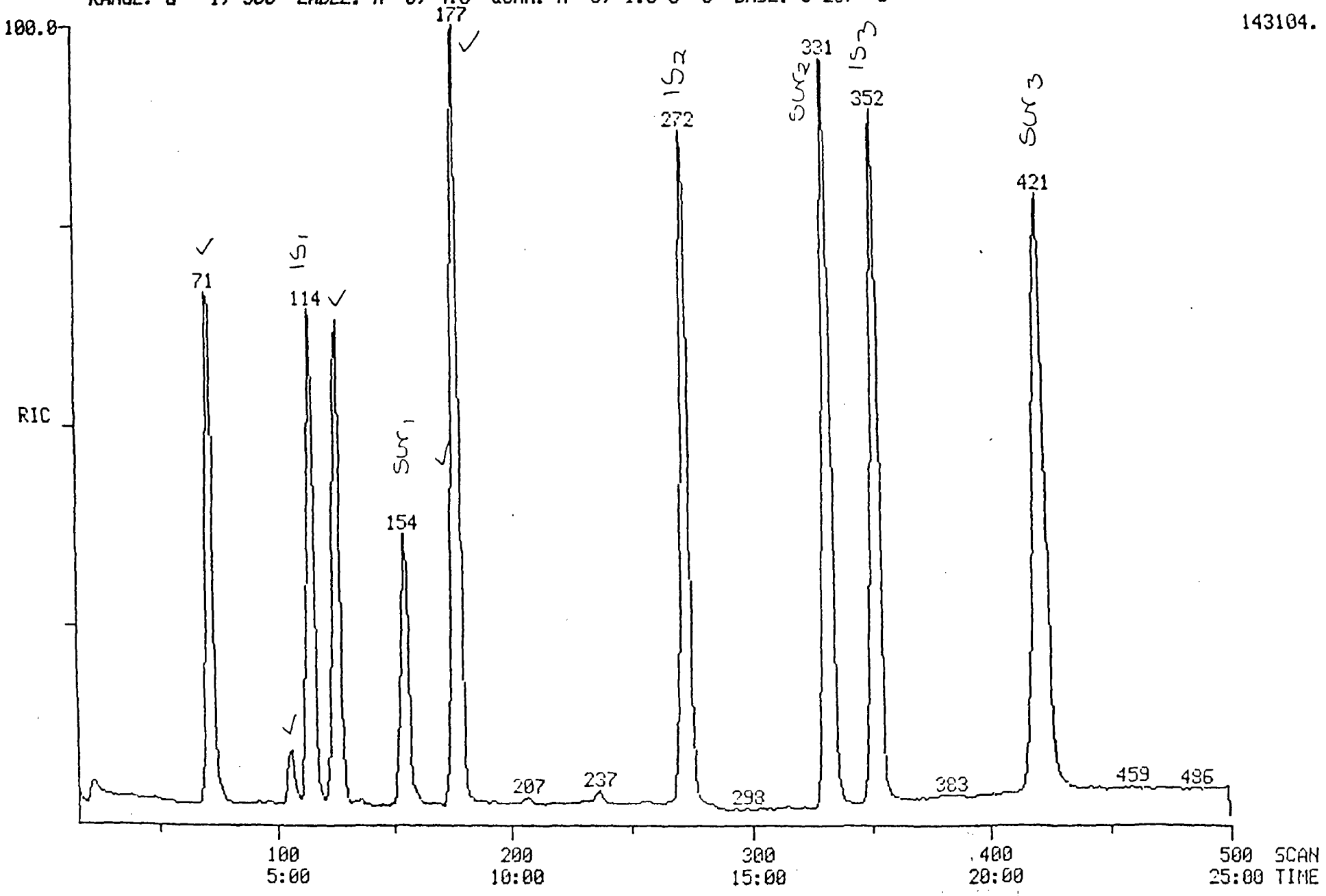
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	44130.	50.000	UG/L	10.97
2	114	273	13:39	2	1.000	A BB	169888.	50.000	UG/L	10.97
3	117	352	17:36	3	1.000	A BB	138817.	50.000	UG/L	10.97
4	65	155	7:45	1	1.348	A BB	44178.	101.068	%	22.16
5	98	332	16:36	3	0.943	A BB	181062.	101.123	%	22.18
6	95	422	21:06	3	1.199	A BB	126703.	103.803	%	22.76

RIC
01/16/89 16:47:00
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010425 #1
CALI: V9010425 #3

SCANS 15 TO 500



PROCEDURE: TCA
DATA FILE: V9010425
REFERENCE: TAB11
NAME LIST: VMASTER
REPORT: VSTDS

DIAGNOSTIC REPORT

1/16/89 17:23:34

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

< --- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
C	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	57	VSTDS/VSURR
3	3	1	0	7	4	1	0	VSTDS/V1
3	3	1	0	11	9	1	714	VSTDS/V2
3	3	1	0	11	7	1	315	VSTDS/V3
3	3	1	0	11	7	1	96	VSTDS/V4
3	3	1	0	12	6	2	57	VSTDS/V5

43 COMPOUNDS PROCESSED, 24 FOUND

< COMPOUND >			< SEARCH >						< SAT >	< CHRO >			
O	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	114	114	.	1	994	.	128	114	.	1
2	VV	2	273	272	272	.	1	998	.	114	272	.	1
3	VV	3	353	352	352	.	1	994	.	117	351	-1	1
4	VV	4	156	155	154	-1	1	974	.	65	155	1	1
5	VV	5	333	332	331	-1	1	998	.	98	331	.	1
6	VV	6	422	421	421	.	1	995	.	95	421	.	1
7	VV	7	22	21	.	.	.	.	.	50	22	.	1
8	VV	8	32	31	.	.	.	.	.	94	.	.	.
9	VV	9	-37	36	.	.	.	.	.	62	38	.	1
0	VV	10	48	47	47	.	1	934	.	64	47	.	1
11	VV	11	73	69	71	2	1	997	.	49	72	1	1
12	VV	12	77	73	76	3	1	997	.	43	76	.	1
3	VV	13	92	89	.	.	.	.	.	76	.	.	.
4	VV	14	99	96	.	.	.	.	.	101	97	.	1
15	VV	15	107	104	106	2	1	991	.	61	106	.	1
16	VV	16	127	124	126	2	1	996	.	63	126	.	1
7	VV	17	136	133	136	3	1	976	.	61	136	.	1
8	VV	18	147	144	126	-18	1	986	.	83	126	.	1
9	VV	19	157	154	.	.	.	.	.	62	156	.	1
20	VV	20	155	152	154	2	1	996	.	43	154	.	1
21	VV	21	178	175	177	2	1	998	.	61	177	.	1
2	VV	22	183	180	176	-4	1	986	.	117	176	.	1
[illegible]	VV	23	184	181	177	-4	1	899	.	43	177	.	1
2[illegible]	VV	24	192	189	.	.	.	.	.	83	.	.	.
25	VV	25	213	210	.	.	.	.	.	63	.	.	.
26	VV	26	217	214	.	.	.	.	.	75	.	.	.
7	VV	27	225	224	224	.	1	922	.	130	224	.	1
8	VV	28	232	231	232	1	1	989	.	78	232	.	1
29	VV	29	237	236	.	.	.	.	.	129	.	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.	.
1	VV	31	238	237	237	.	1	993	.	83	237	.	1
2	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	283	-2	1	900	.	43	.	.	.
35	VV	35	310	309	.	.	.	.	.	43	.	.	.
6	VV	36	316	315	314	-1	1	870	.	166	315	1	1
7	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	335	334	-1	1	932	.	92	334	.	1
39	VV	39	354	353	.	.	.	.	.	112	353	.	1
0	VV	40	385	384	.	.	.	.	.	91	383	.	1
1	VV	41	441	440	.	.	.	.	.	104	441	.	1
42	VV	42	458	457	457	.	2	932	.	106	457	.	1
43	VV	43	-254	253	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010425

Data: V9010425.TI
01/16/89 16:47:00
Sample: 8901JC09 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE
~~11~~	~~CARBON TETRACHLORIDE~~

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	114	5:42	1	1.000	A BB	47357.	50.000 UG/L	7.05
2	114	272	13:36	2	1.000	A BB	200124.	50.000 UG/L	7.05
3	117	351	17:33	3	1.000	A BB	149870.	50.000 UG/L	7.05
4	65	155	7:45	1	1.360	A BV	46811.	99.793 %	14.08
5	98	331	16:33	3	0.943	A BB	197383.	102.109 %	14.41
6	95	421	21:03	3	1.199	A BB	137955.	104.686 %	14.77
7	49	72	3:36	1	0.632	A BB	95303.	54.626 UG/L	7.71
8	61	106	5:18	1	0.930	A BB	10951.	6.613 UG/L	0.93
9	63	126	6:18	1	1.105	A BB	142961.	67.824 UG/L	9.57
10	61	177	8:51	2	0.651	A BB	75784.	98.608 UG/L	13.91
11	117	176	8:48	2	0.647	A BB	28824.	~~24.534 UG/L~~	3.46

Surrogate

Quantitation Report File: V9010425

Data: V9010425.TI
01/16/89 16:47:00
Sample: 8901JC09 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 10.000
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE
~~11~~	~~CARBON TETRACHLORIDE~~

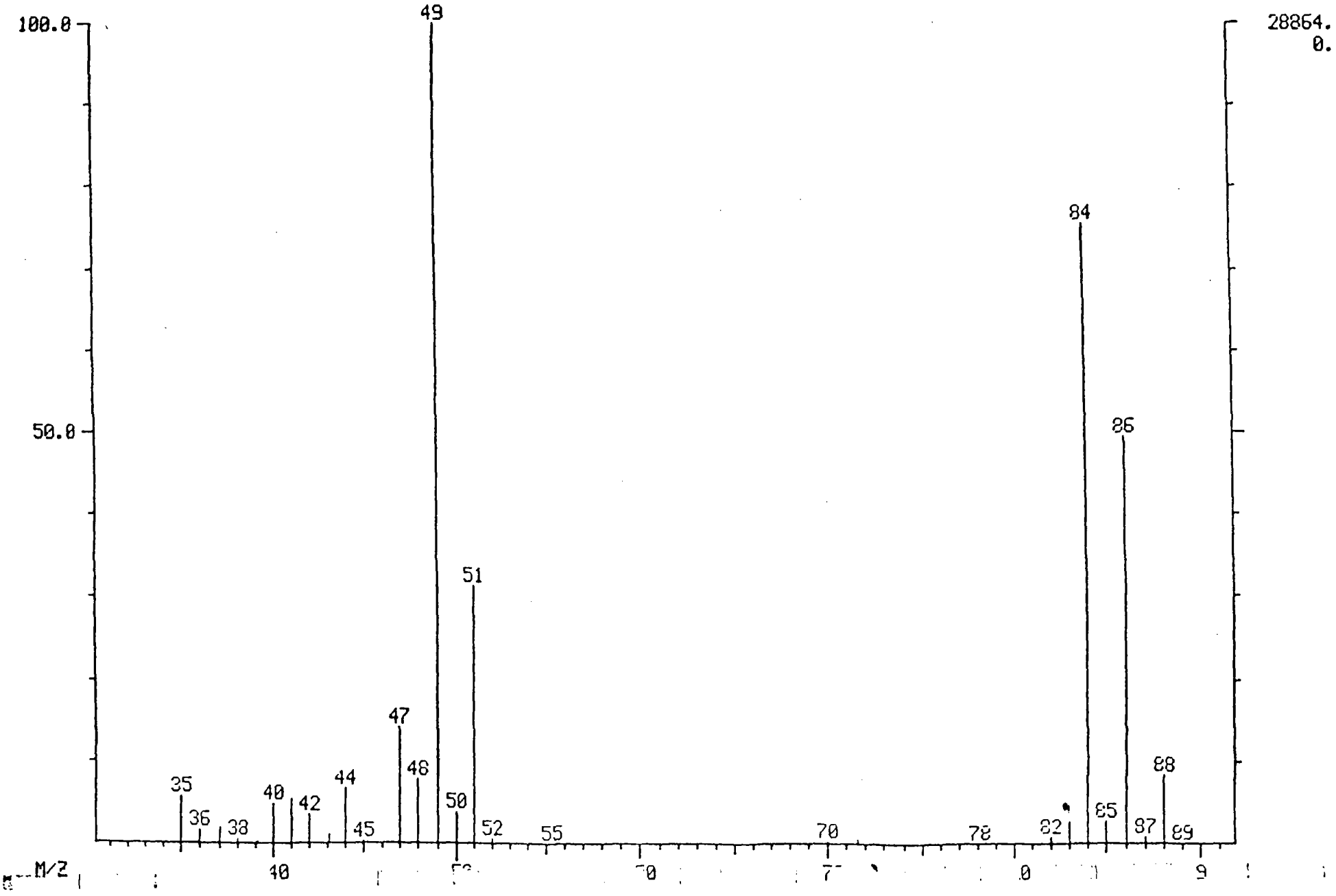
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47357.	500.000	UG/L	7.05
2	114	272	13:36	2	1.000	A BB	200124.	500.000	UG/L	7.05
3	117	351	17:33	3	1.000	A BB	149870.	500.000	UG/L	7.05
4	65	155	7:45	1	1.360	A BV	46811.	997.928	%	14.08
5	98	331	16:33	3	0.943	A BB	197383.	1021.090	%	14.41
6	95	421	21:03	3	1.199	A BB	137955.	1046.860	%	14.77
7	49	72	3:36	1	0.632	A BB	95303.	546.258	UG/L	7.71
8	61	106	5:18	1	0.930	A BB	10951.	66.133	UG/L	0.93
9	63	126	6:18	1	1.105	A BB	142961.	678.244	UG/L	9.57
10	61	177	8:51	2	0.651	A BB	75784.	986.080	UG/L	13.91
11	117	176	8:48	2	0.647	A BB	28824.	~~245.344~~	~~UG/L~~	3.46

Sample

MASS SPECTRUM
01/16/89 16:47:00 + 3:33
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 80 DEG. C

DATA: V9010425 #71
CALI: V9010425 #3

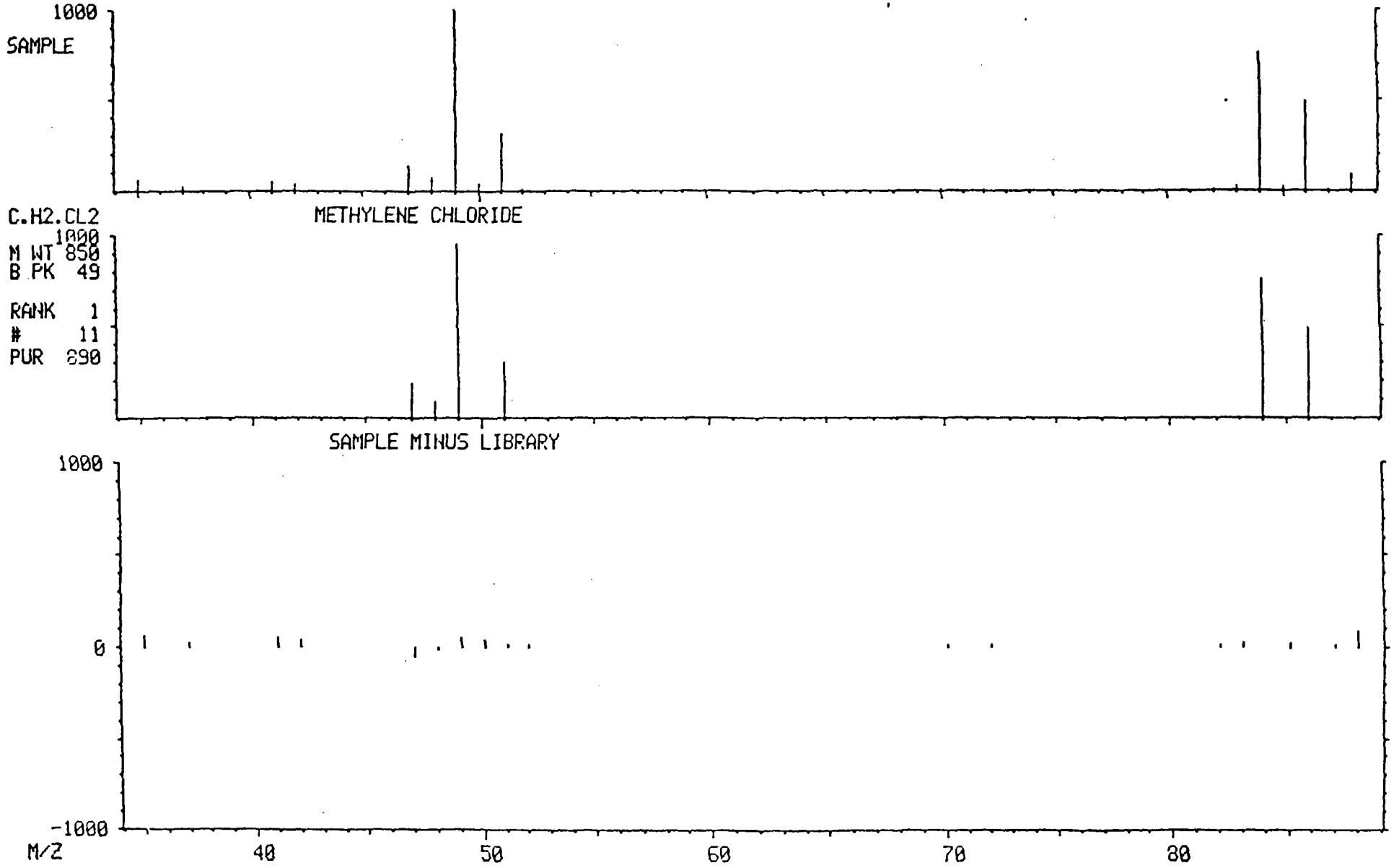
BASE M/Z: 49
RIC: 95488.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 16:47:00 + 3:33
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
71 - # 62 - # 82

DATA: V9010425 # 71
CALI: V9010425 # 3

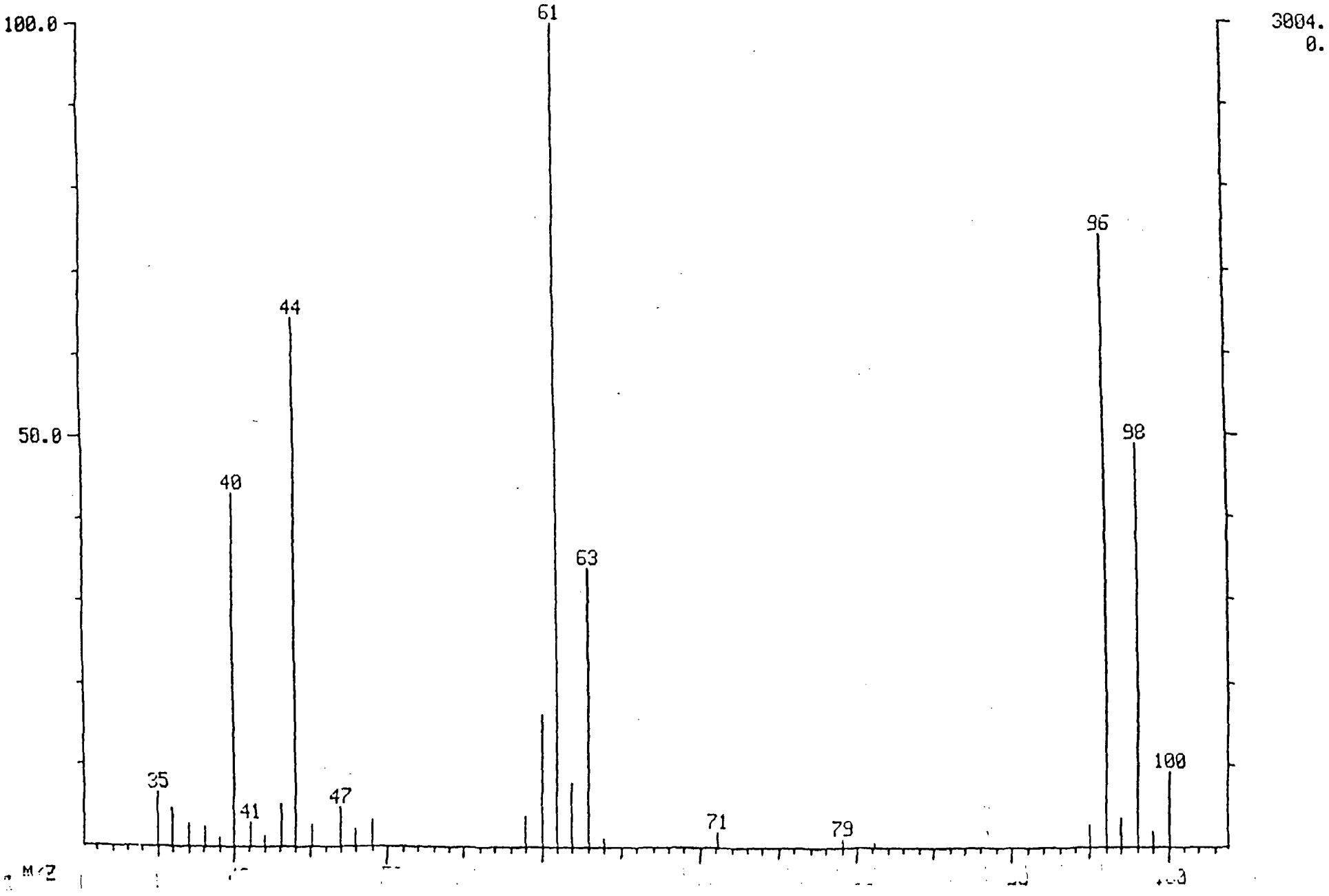
BASE M/Z: 49
RIC: 90880.



MASS SPECTRUM
01/16/89 16:47:00 + 5:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 97 DEG. C

DATA: V9010425 #106
CALI: V9010425 #3

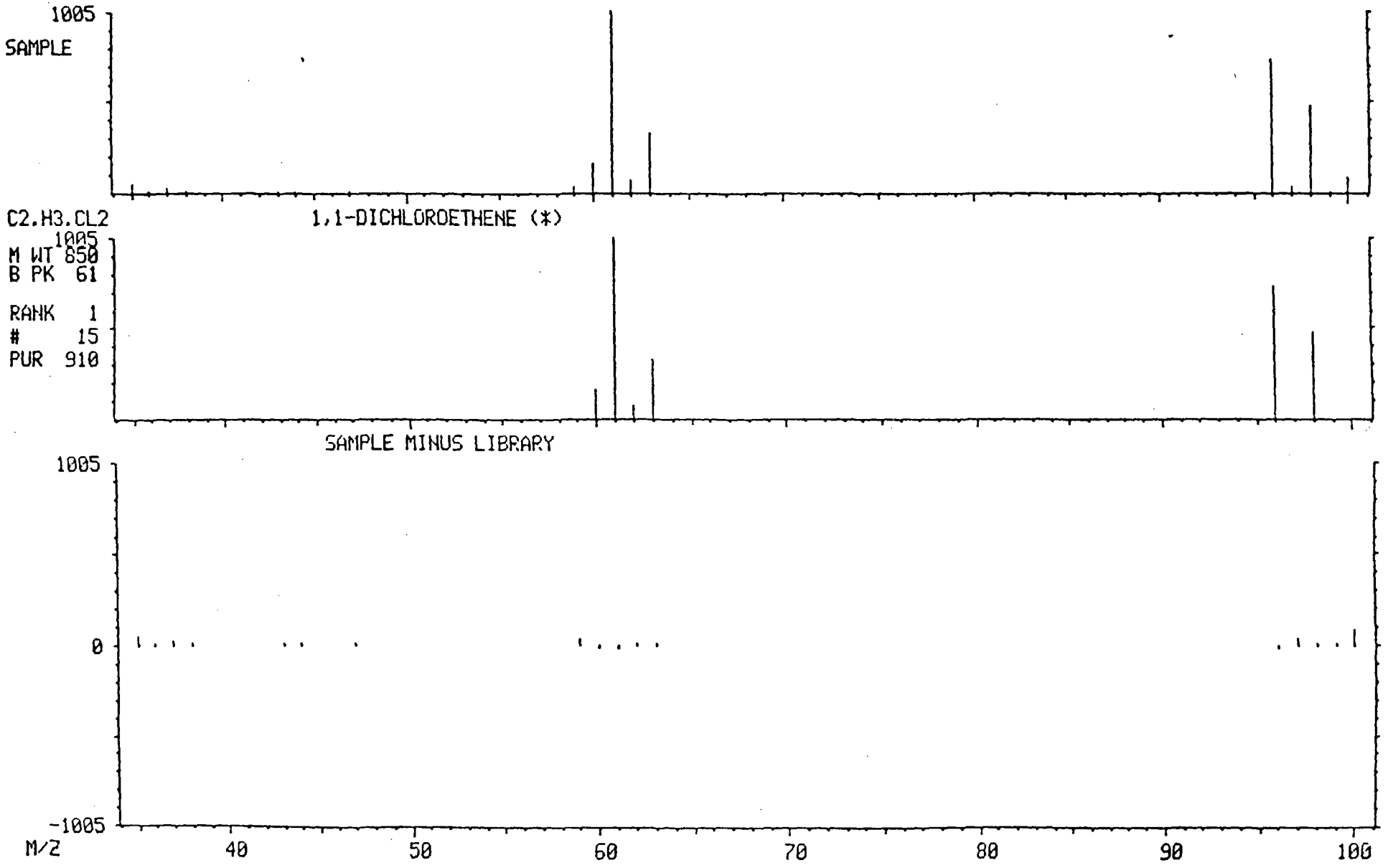
BASE M/Z: 61
RIC: 13600.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 16:47:00 + 5:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
106 - # 101 - # 112

DATA: V9010425 # 106
CALI: V9010425 # 3

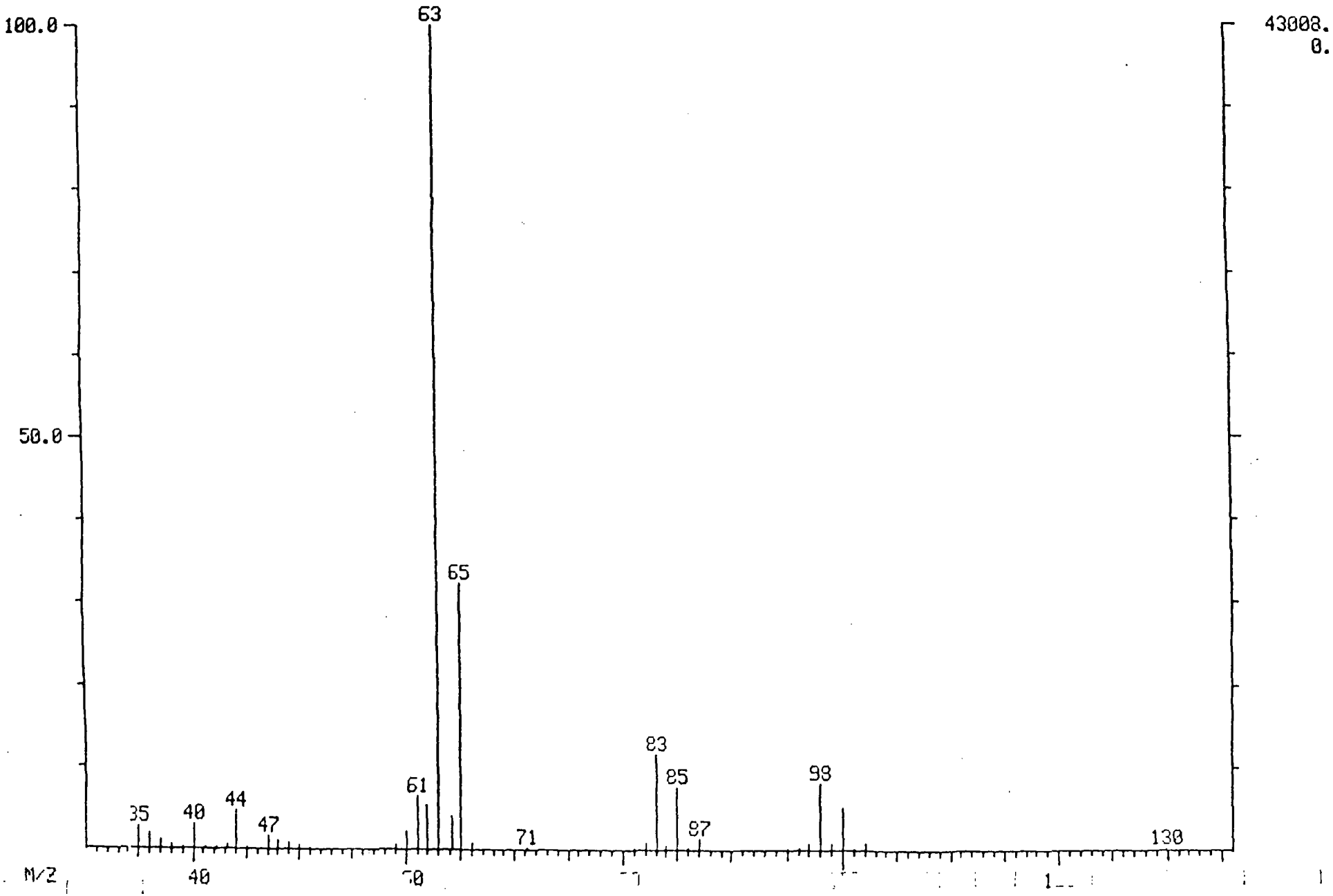
BASE M/Z: 61
RIC: 9232.



MASS SPECTRUM
01/16/89 16:47:00 + 6:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010425 #126
CALI: V9010425 #3

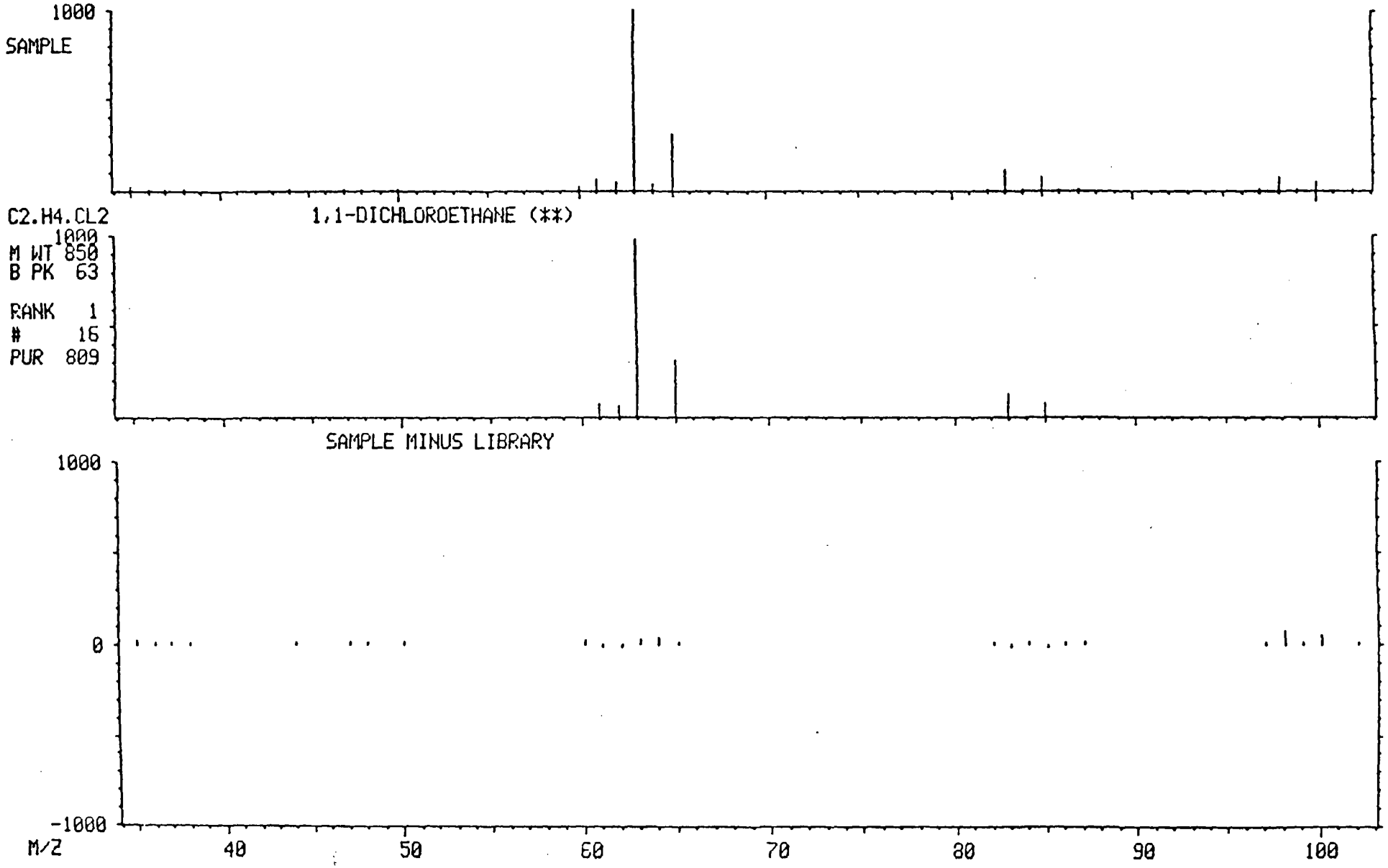
BASE M/Z: 63
RIC: 90496.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 16:47:00 + 6:18
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
126 - # 118 - # 133

DATA: V9010425 # 126
CALI: V9010425 # 3

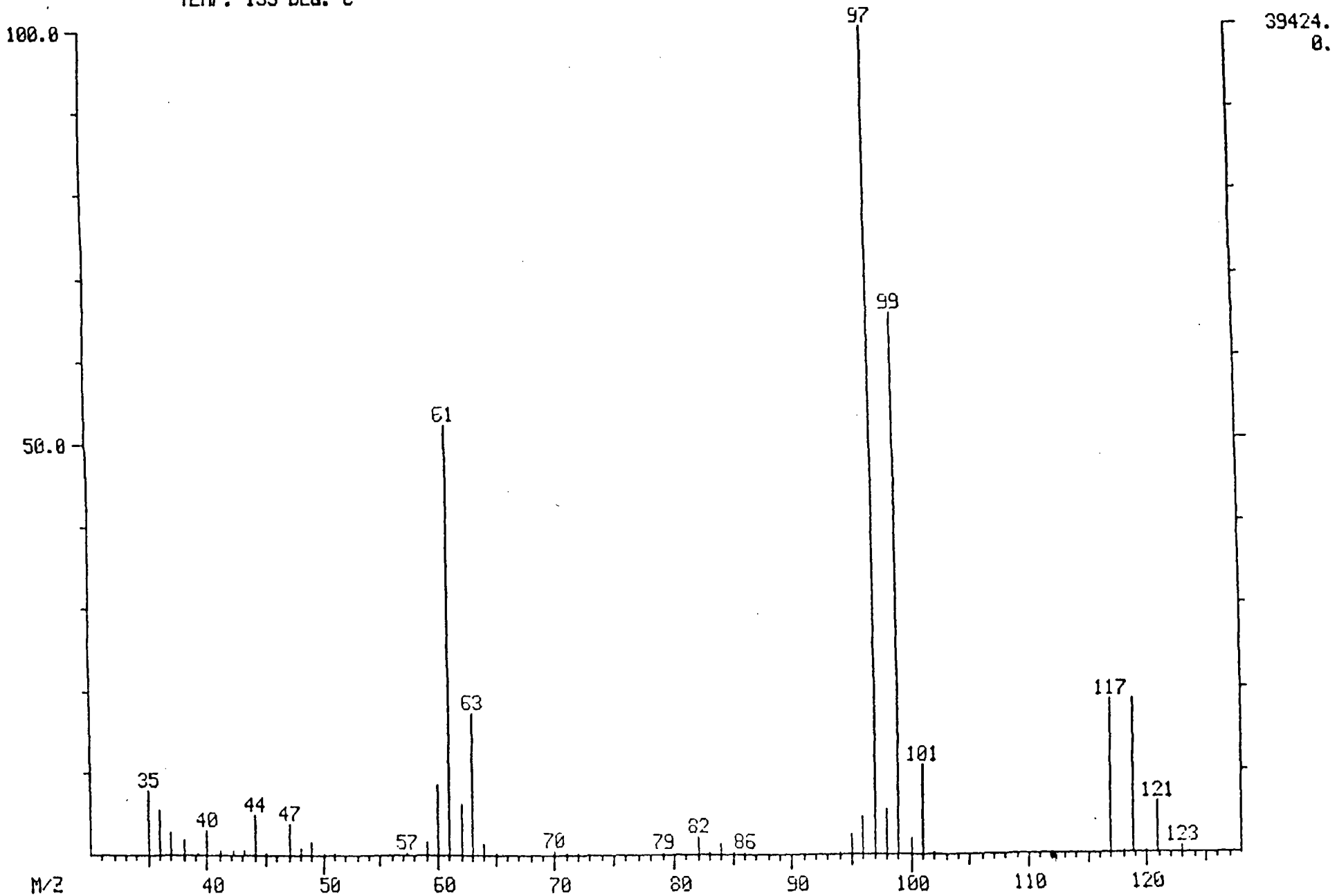
BASE M/Z: 63
RIC: 84480.



MASS SPECTRUM
01/16/89 16:47:00 + 8:51
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 133 DEG. C

DATA: V9010425 #177
CALI: V9010425 #3

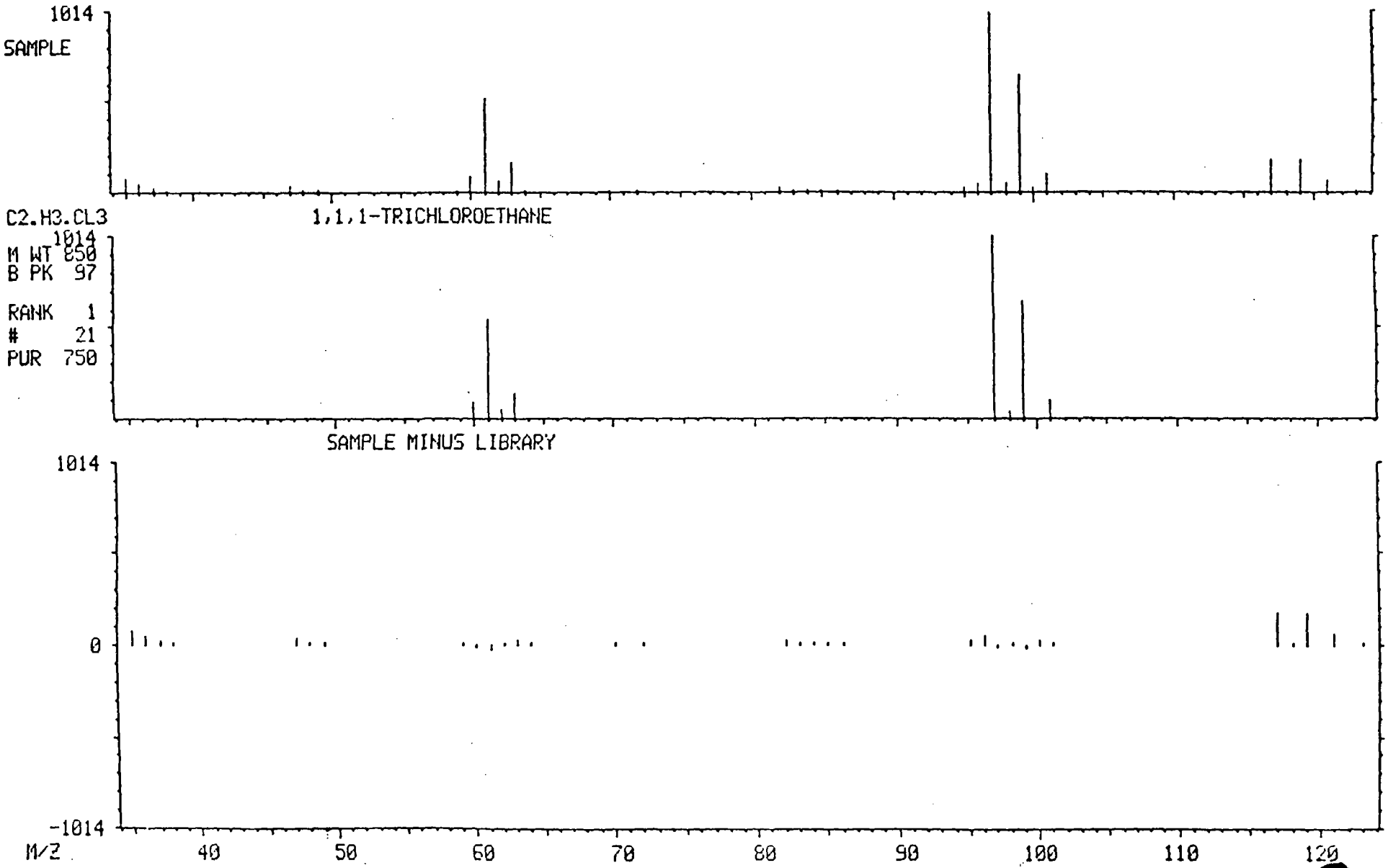
BASE M/Z: 97
RIC: 142848.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 16:47:00 + 8:51
SAMPLE: 8901JC09 (500UL/5ML)
CONDS.: GC DESC VO
177 - # 169 - # 184

DATA: V9010425 # 177
CALI: V9010425 # 3

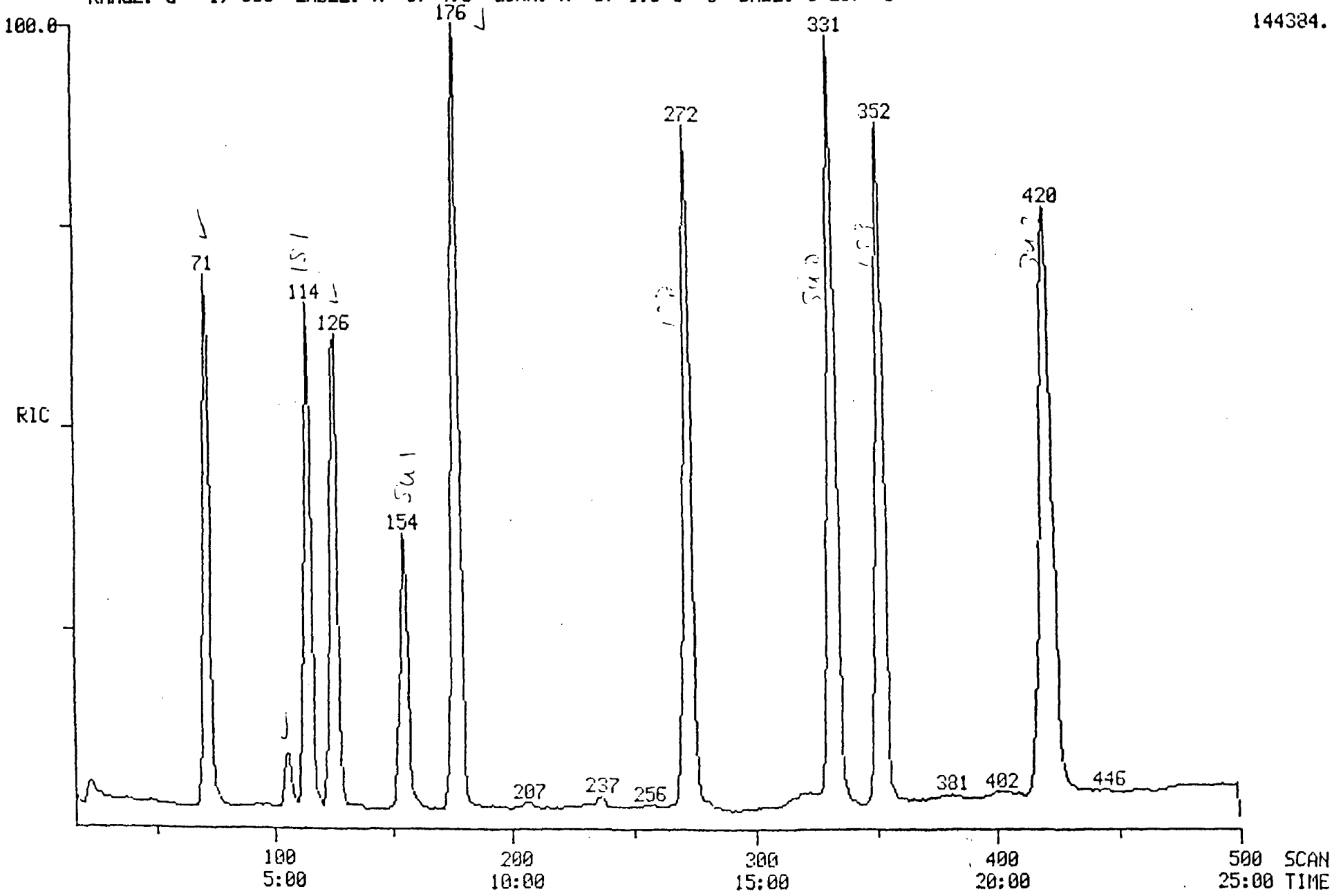
BASE M/Z: 97
RIC: 137472.



RIC
01/16/89 18:11:00
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010426 #2
CALI: V9010426 #3

SCANS 15 TO 500



PROCEDURE: TCA
DATA FILE: V9010426
REFERENCE: TAB11
NAME LIST: VMASTER
REPORT: VSTDS

DIAGNOSTIC REPORT

1/17/89 7:05:06

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

---- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	2	59	VSTDS/VSURR
3	3	1	0	7	4	1	0	VSTDS/V1
3	3	1	0	11	9	1	720	VSTDS/V2
3	3	1	0	11	7	1	305	VSTDS/V3
3	3	1	0	11	6	1	0	VSTDS/V4
3	3	1	0	12	5	1	51	VSTDS/V5

43 COMPOUNDS PROCESSED, 22 FOUND

< COMPOUND		>< ---------- SEARCH					>< SAT	>< ------ CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	114	114	.	1	991	.	128	114	.	1
2	VV	2	273	272	272	.	1	998	.	114	272	.	1
3	VV	3	353	352	352	.	1	990	.	117	351	-1	1
4	VV	4	156	155	154	-1	1	971	.	65	154	.	1
5	VV	5	333	331	331	.	1	1000	.	98	331	.	1
6	VV	6	422	420	420	.	2	992	.	95	421	1	1
7	VV	7	22	21	.	.	.	.	.	50	21	.	1
8	VV	8	32	31	.	.	.	.	.	94	.	.	.
9	VV	9	-37	36	.	.	.	.	.	62	38	.	1
10	VV	10	48	47	47	.	1	986	.	64	47	.	1
11	VV	11	73	70	71	1	1	995	.	49	71	.	1
12	VV	12	77	74	77	3	1	997	.	43	77	.	1
13	VV	13	92	89	.	.	.	.	.	76	.	.	.
14	VV	14	99	96	.	.	.	.	.	101	97	.	1
15	VV	15	107	104	106	2	1	994	.	61	106	.	1
16	VV	16	127	124	126	2	1	994	.	63	126	.	1
17	VV	17	136	133	136	3	1	979	.	61	136	.	1
18	VV	18	147	144	126	-18	1	987	.	83	126	.	1
19	VV	19	157	154	.	.	.	.	.	62	156	.	1
20	VV	20	155	152	154	2	1	988	.	43	154	.	1
21	VV	21	178	175	176	1	1	998	.	61	177	1	1
22	VV	22	183	180	176	-4	1	990	.	117	176	.	1
23	VV	23	184	181	177	-4	1	900	.	43	178	1	1
24	VV	24	192	189	.	.	.	.	.	83	.	.	.
25	VV	25	213	210	.	.	.	.	.	63	.	.	.
26	VV	26	217	214	.	.	.	.	.	75	.	.	.
27	VV	27	225	224	224	.	1	852	.	130	225	1	1
28	VV	28	232	231	231	.	1	995	.	78	232	1	1
29	VV	29	237	236	.	.	.	.	.	129	.	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.	.
31	VV	31	238	237	237	.	1	984	.	83	237	.	1
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	.	.	.	.	.	43	.	.	.
35	VV	35	310	309	.	.	.	.	.	43	.	.	.
36	VV	36	316	315	.	.	.	.	.	166	314	.	1
37	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	335	334	-1	1	942	.	92	334	.	1
39	VV	39	354	353	.	.	.	.	.	112	353	.	1
40	VV	40	385	384	.	.	.	.	.	91	383	.	1
41	VV	41	441	440	.	.	.	.	.	104	441	.	1
42	VV	42	458	457	457	.	1	930	.	106	456	-1	1
43	VV	43	-254	253	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010426

Data: V9010426.TI
01/16/89 18:11:00
Sample: B901JC11 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (IS1)
2	1,4-DIFLUOROBENZENE (IS2)
3	CHLOROBENZENE-D5 (IS3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47236.	50.000	UG/L	7.37
2	114	272	13:36	2	1.000	A BB	199673.	50.000	UG/L	7.37
3	117	351	17:33	3	1.000	A BB	152886.	50.000	UG/L	7.37
4	65	154	7:42	1	1.351	A BB	46661.	99.729	%	14.70
5	98	331	16:33	3	0.943	A BB	198511.	100.667	%	14.84
6	95	421	21:03	3	1.199	A BB	135475.	100.777	%	14.86
7	49	71	3:33	1	0.623	A BB	93687.	53.838	UG/L	7.94
8	61	106	5:18	1	0.930	A BB	10846.	6.567	UG/L	0.97
9	63	126	6:18	1	1.105	A BB	145839.	69.368	UG/L	10.23
10	61	177	8:51	2	0.651	A BB	74708.	97.427	UG/L	14.36

SAMK

Quantitation Report File: V9010426

Data: V9010426.TI
01/16/89 18:11:00
Sample: 8901JC11 (500UL/5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 10.000
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	METHYLENE CHLORIDE
8	1,1-DICHLOROETHENE (*)
9	1,1-DICHLOROETHANE (**)
10	1,1,1-TRICHLOROETHANE

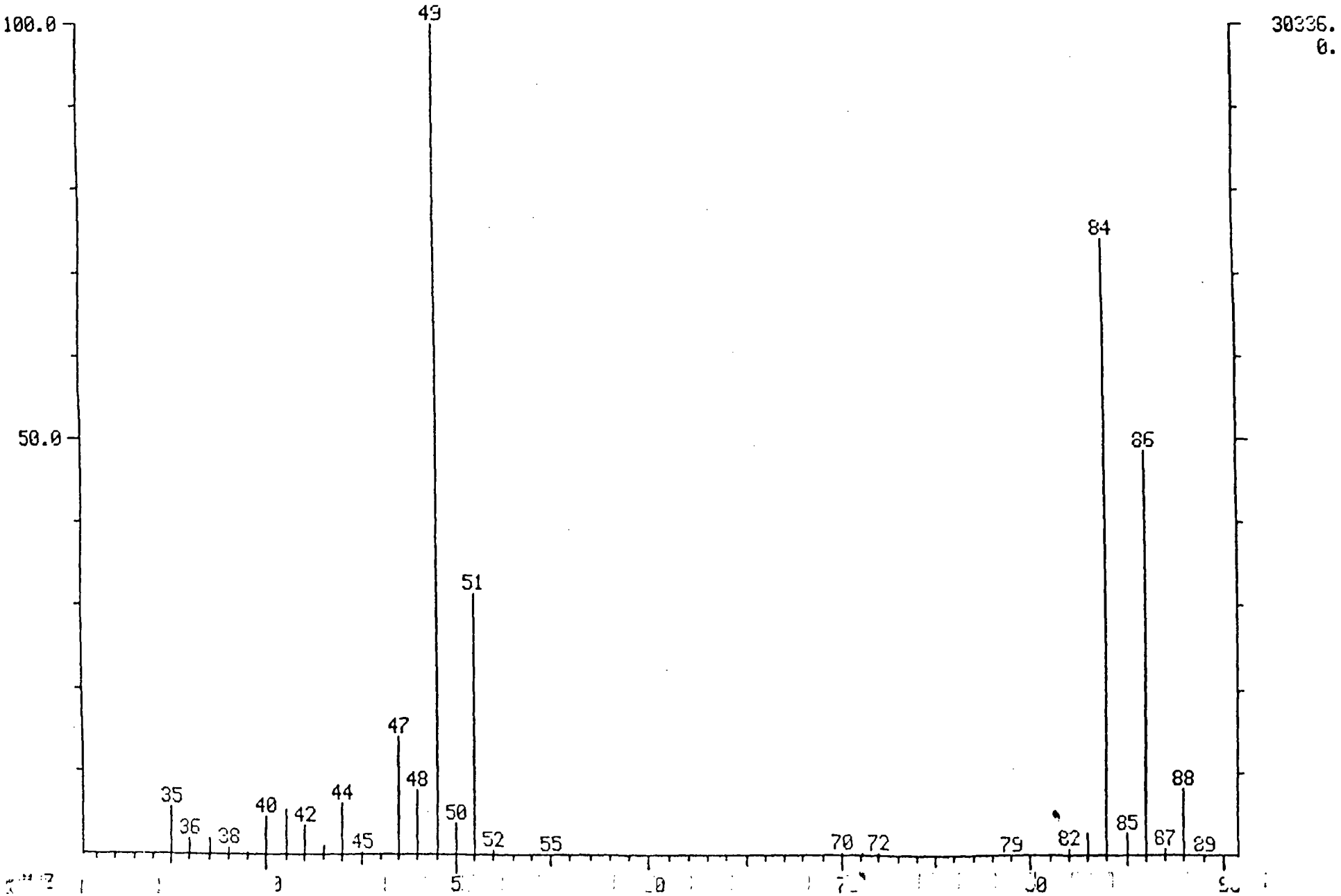
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47236.	500.000	UG/L	7.37
2	114	272	13:36	2	1.000	A BB	199673.	500.000	UG/L	7.37
3	117	351	17:33	3	1.000	A BB	152886.	500.000	UG/L	7.37
4	65	154	7:42	1	1.351	A BB	46661.	997.289	%	14.70
5	98	331	16:33	3	0.943	A BB	198511.	1006.670	%	14.84
6	95	421	21:03	3	1.199	A BB	135475.	1007.770	%	14.86
7	49	71	3:33	1	0.623	A BB	93687.	538.379	UG/L	7.94
8	61	106	5:18	1	0.930	A BB	10846.	65.668	UG/L	0.97
9	63	126	6:18	1	1.105	A BB	145839.	693.680	UG/L	10.23
10	61	177	8:51	2	0.651	A BB	74708.	974.273	UG/L	14.36

SAMPLE

MASS SPECTRUM
01/16/89 18:11:00 + 3:33
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 80 DEG. C

DATA: V9010426 #71
CALI: V9010426 #3

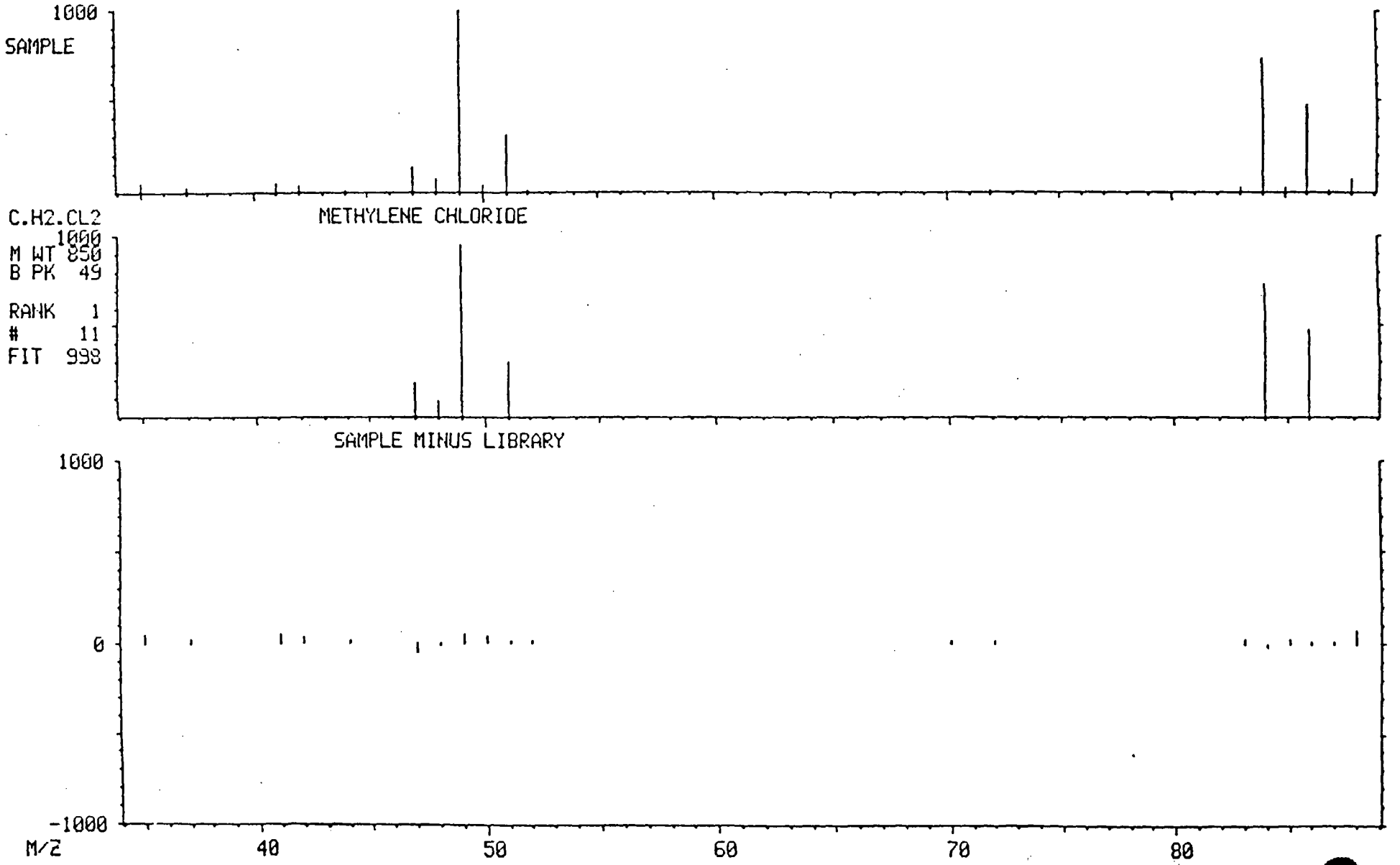
BASE M/Z: 49
RIC: 99584.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 18:11:00 + 3:33
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V3010426 # 71
CALI: V9010426 # 3

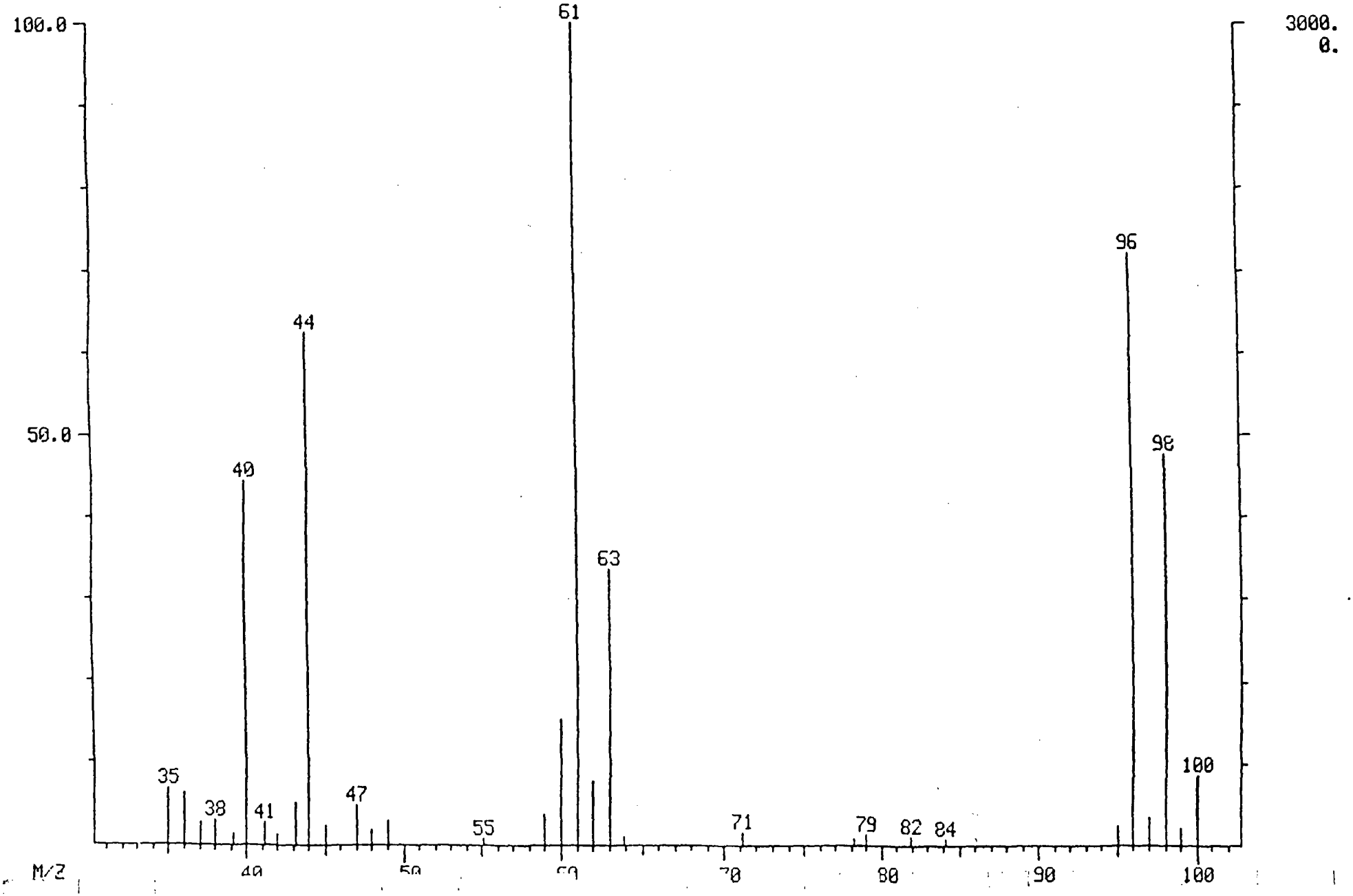
BASE M/Z: 49
RIC: 86656.



MASS SPECTRUM
01/16/89 18:11:00 + 5:18
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 97 DEG. C

DATA: V9010426 #106
CALI: V9010426 #3

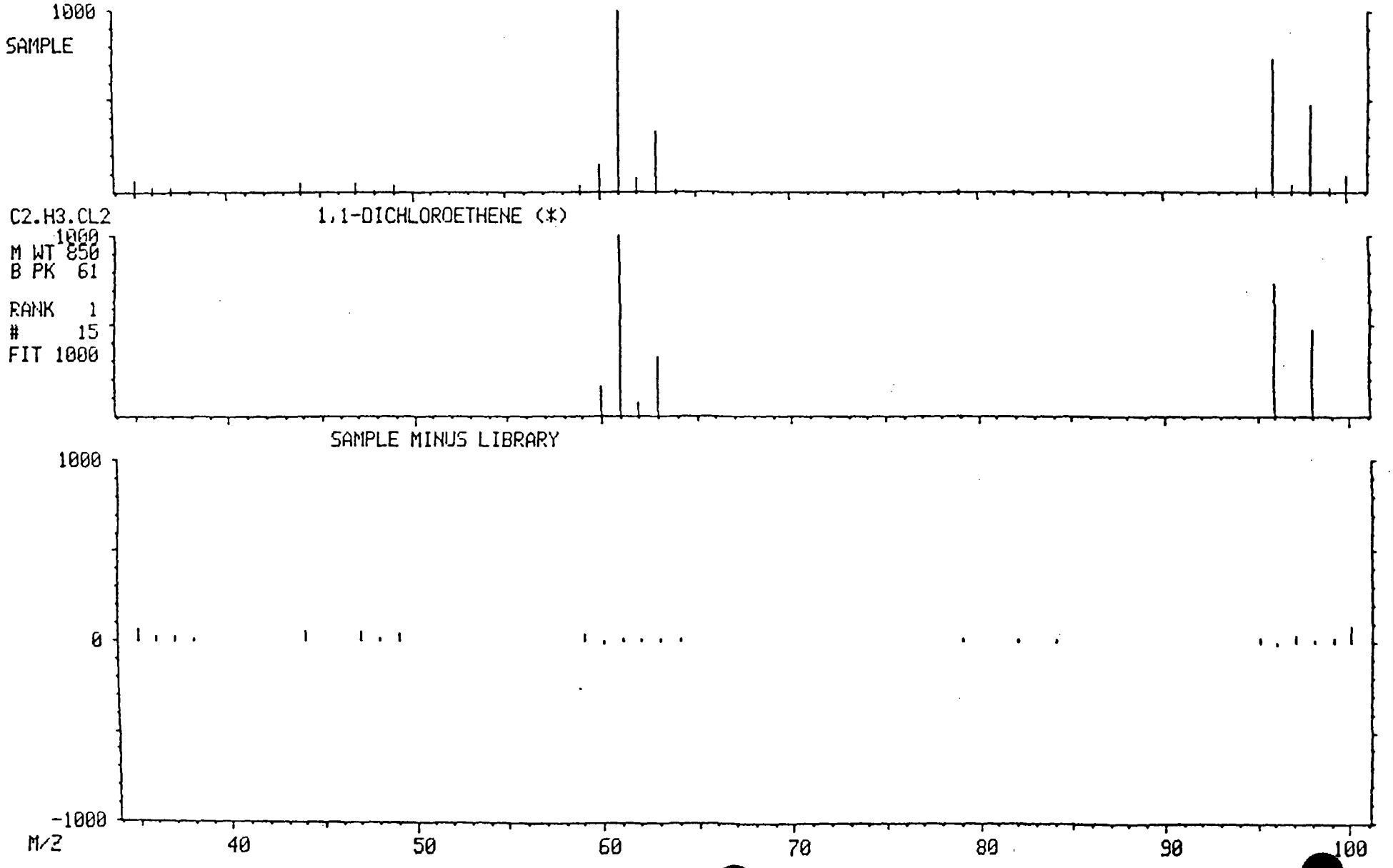
BASE M/Z: 61
RIC: 13584.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 18:11:00 + 5:18
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010426 # 106
CALI: V9010426 # 3

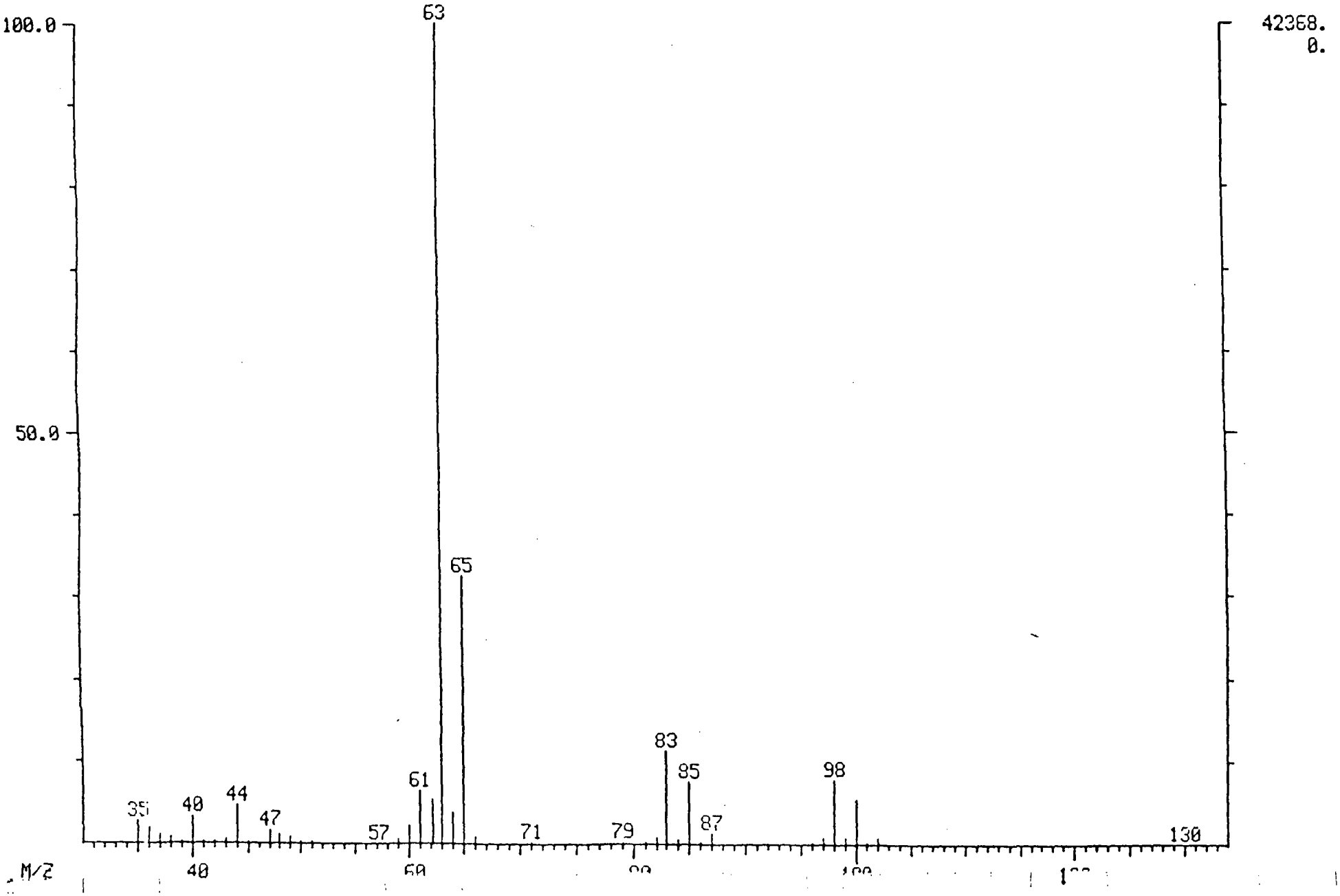
BASE M/Z: 61
RIC: 9328.



MASS SPECTRUM
01/16/89 18:11:00 + 6:18
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010426 #126
CALI: V9010426 #3

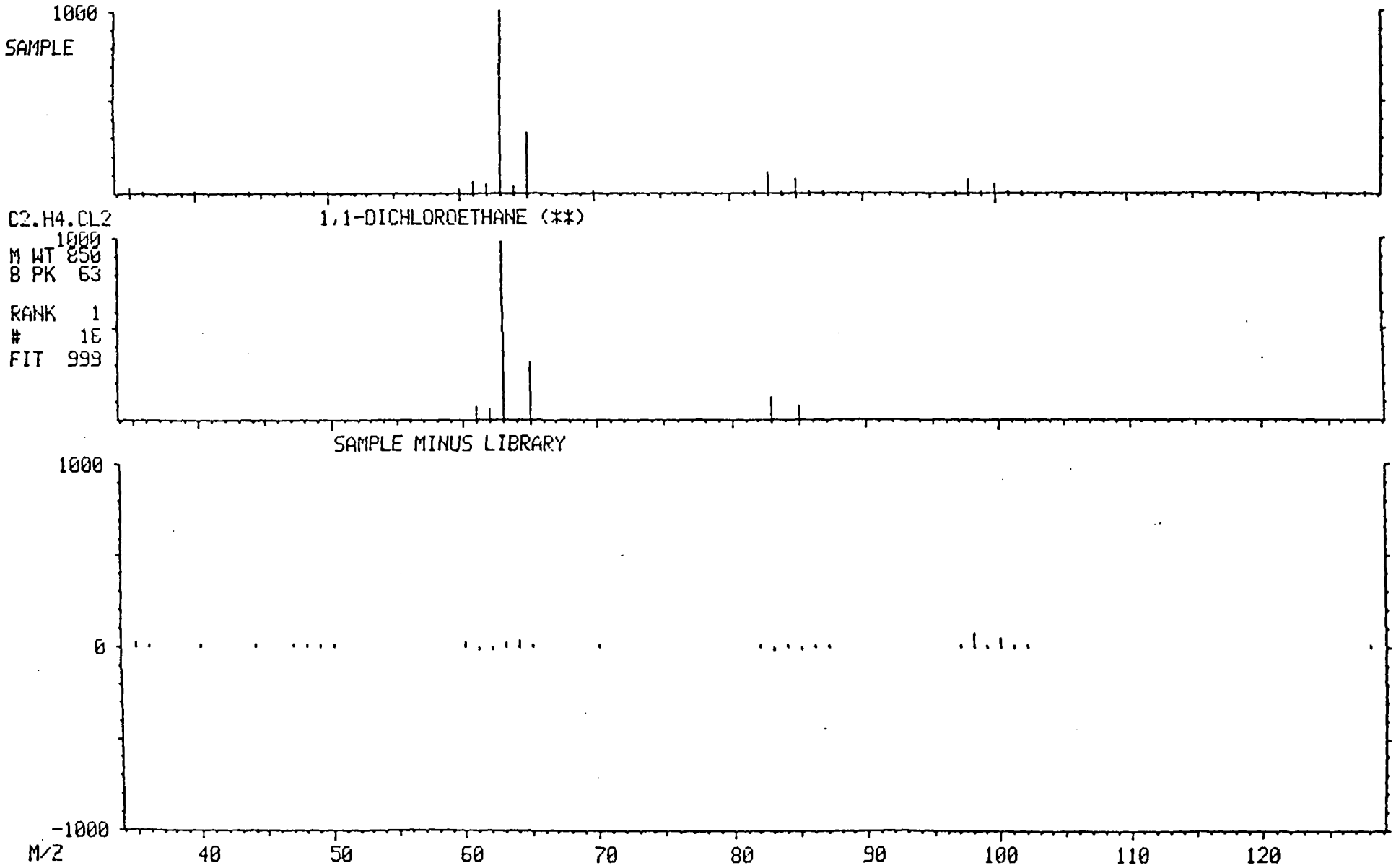
BASE M/Z: 63
RIC: 88704.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 13:11:00 + 6:13
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010426 # 126
CALI: V9010426 # 3

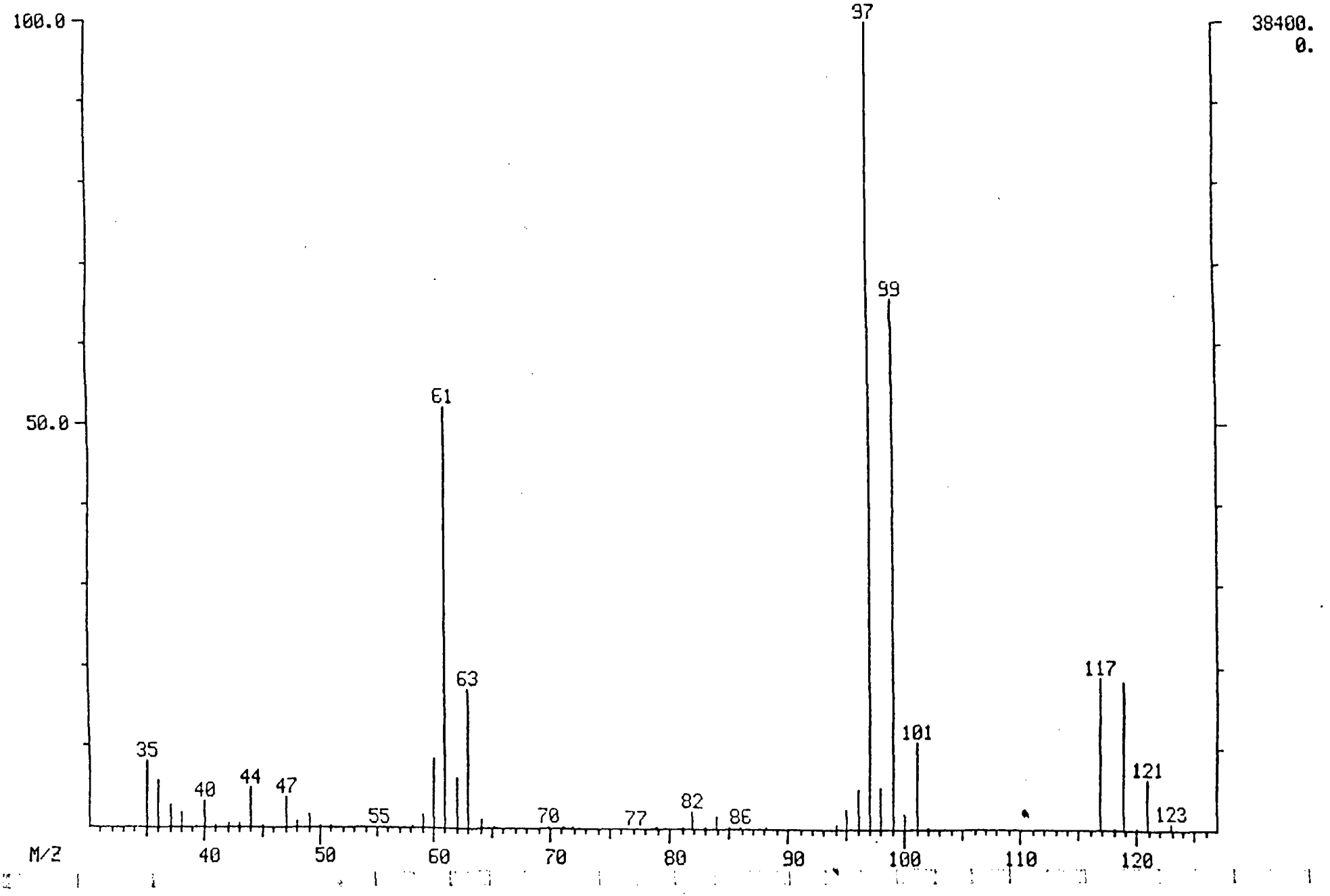
BASE M/Z: 63
RIC: 79872.



MASS SPECTRUM
01/16/89 18:11:00 + 8:51
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
TEMP: 132 DEG. C

DATA: V9010426 #177
CALI: V9010426 #3

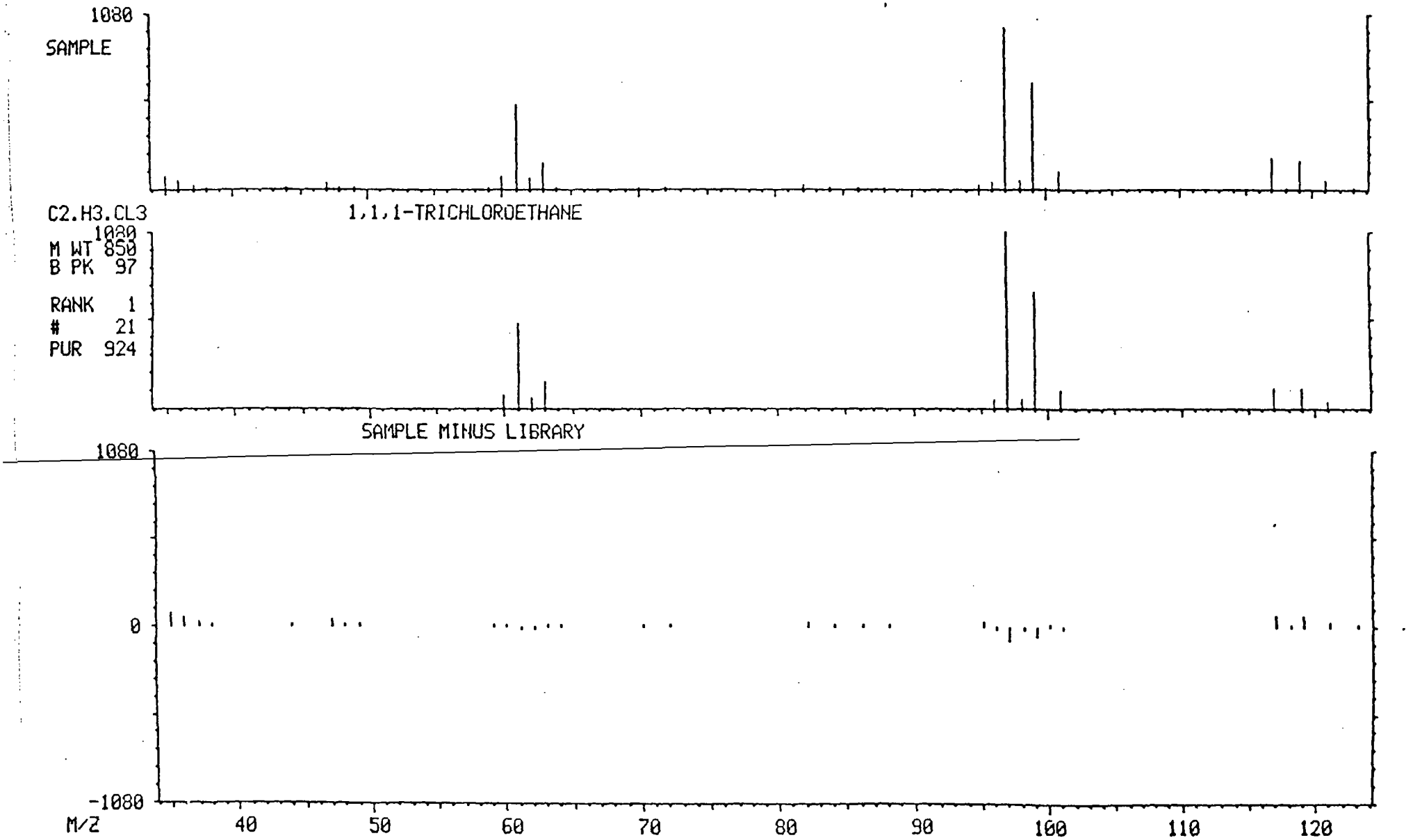
BASE M/Z: 97
RIC: 139776.



MID LIBRARY SEARCH (LIBRARYVV)
01/16/89 18:11:00 + 8:51
SAMPLE: 8901JC11 (500UL/5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010426 # 177
CALI: V9010426 # 3

BASE M/Z: 97
RIC: 130816.



GC/MS TUNING AND MASS CALIBRATION

Bromofluorobenzene (BFB)

Case No. _____ Contractor Sequoia Contract No. _____

Instrument ID F3 Date 1-17-89 Time 10:11

Lab ID BFB011789 Data Release Authorized By: Wendy Amundson

m/z	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	15.4
95	30.0 - 60.0% of the base peak	37.1
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	6.8
173	Less than 1.0% of the base peak	0.4
174	Greater than 50.0% of the base peak	74.7
175	5.0 - 9.0% of mass 174	5.4 (7.3)[1]
176	Greater than 95.0%, but less than 101.0% of mass 174	72.1 (96.6)[1]
177	5.0 - 9.0% of mass 176	5.3 (7.3)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS:

[1] Value in parenthesis is % mass 174.
[2] Value in parenthesis is % mass 176.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
STDV010989D	VSTD011789	1-17-89	10:28
VA Blank	VBLK011789	↓	12:19
8901JC12	V9010427	↓	13:19
8901JC13	V9010428	↓	14:02
901JC17	V9010531	↓	14:40
901JC20	V9010532	↓	15:17
901JC20	V9010533	↓	15:55

BROMOFLUOROBENZENE

Tuning Report
01/17789 10:11:00 + 6:21
Instrument: FINN
#127 - #116
Case Number:

Data: BFB011789 # 127
Cali: CO11789 # 3
Analyst: SF

Base m/z: 95
RIC: 66944.
Acct. No.: -

Laboratory: SEQUOIA LAB Contract:

m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
50	2440.	15.4	15.0	40.0	95	15.4	PASS
75	5888.	37.1	30.0	60.0	95	37.1	PASS
95	15856.	100.0	100.0	---	---	100.0	PASS
96	1084.	6.8	5.0	9.0	95	6.8	PASS
173	68.	0.4	---	2.0	174	0.6	PASS
174	11840.	74.7	50.0	---	95	74.7	PASS
175	859.	5.4	5.0	9.0	174	7.3	PASS
176	11440.	72.1	95.0	101.0	174	96.6	PASS
177	836.	5.3	5.0	9.0	176	7.3	PASS

Mass List
01/17/89 10:11:00 + 6:21
Sample: BFB STDG V121288A (50NG DI)
Conds.: GC DESC VO
#127 - #116

Data: BFB011789 # 127
Cali: C011789 # 3

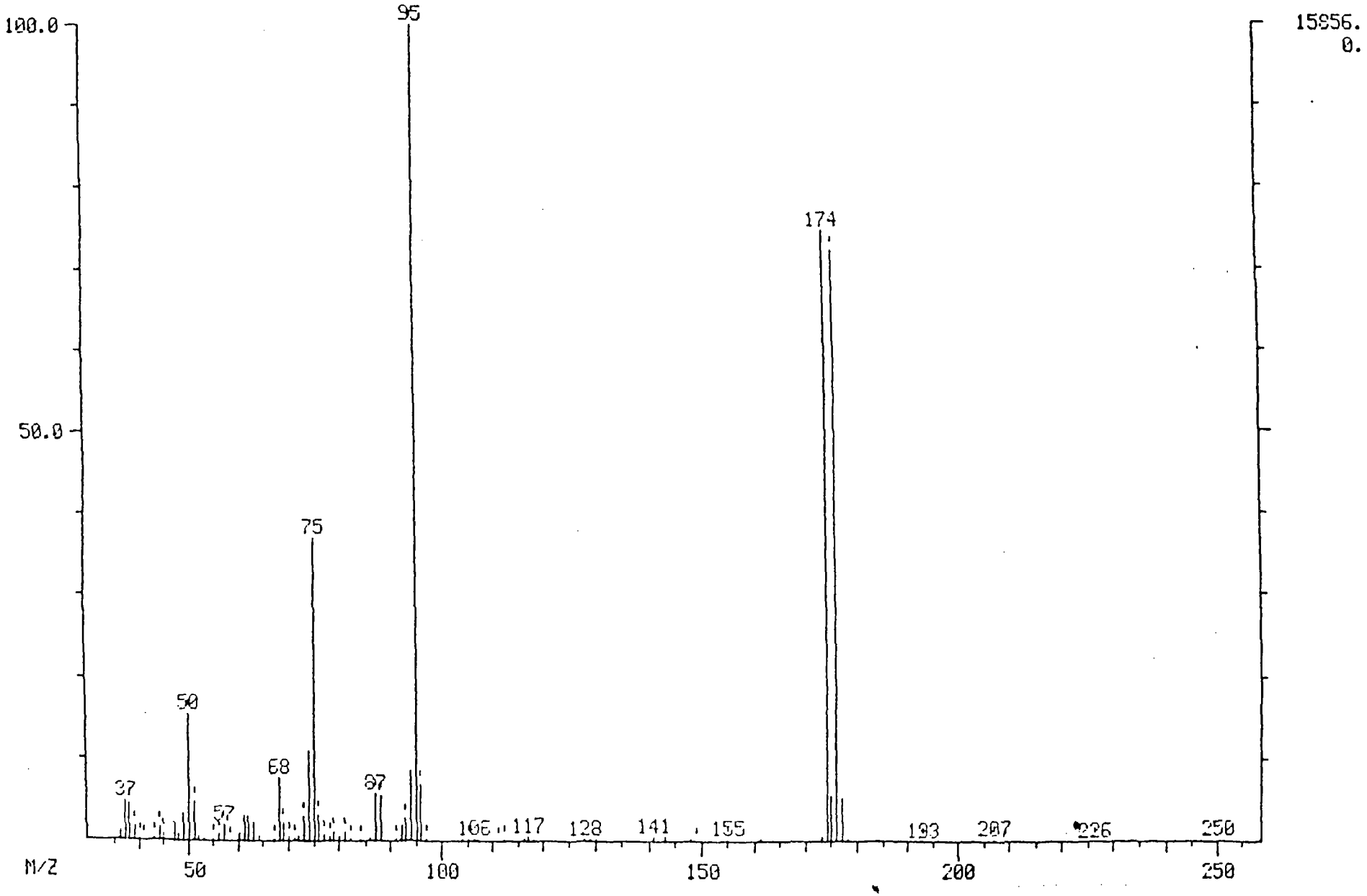
Base m/z: 95
RIC: 66944.

36		0.00	0.	Minima	Min	Inten:	0.
250				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
36?		1.02	162.	96	S	6.84	1084.
37?		4.62	733.	97	S	0.33	53.
38?	S	4.37	693.	103		0.12	19.
39?	S	1.67	265.	104	S	0.31	49.
40?	S	0.20	32.	105	S	0.22	35.
41?	S	0.12	19.	106		0.37	58.
43?	S	0.22	35.	107		0.15	23.
44?	S	1.56	248.	111	S	0.11	18.
45?	S	0.80	127.	112	S	0.18	29.
47?		2.31	366.	113		0.11	18.
48?		0.83	131.	115		0.11	17.
49?		3.43	544.	116		0.22	35.
50?	S	15.39	2440.	117		0.52	82.
51?	S	4.79	760.	118		0.23	37.
52?		0.43	68.	123		0.11	18.
53?		0.23	37.	128		0.35	56.
55?	S	0.28	44.	129		0.24	38.
56?	S	0.95	151.	130		0.30	47.
57?	S	1.82	289.	137		0.13	21.
58?	S	0.13	20.	141		0.61	97.
60?		0.79	126.	143		0.57	90.
61?		3.00	475.	146		0.11	17.
62?		2.99	474.	148		0.26	42.
63?		2.21	351.	149	S	0.14	22.
64?		0.49	77.	153		0.13	21.
67?	S	0.37	59.	155	S	0.32	50.
68?		7.62	1208.	161		0.15	23.
69	S	2.27	360.	173		0.43	68.
70	S	0.44	69.	174		74.67	11840.
71	S	0.15	24.	175		5.42	859.
72		0.55	87.	176	S	72.15	11440.
73	S	2.95	467.	177		5.27	836.
74		11.01	1746.	178		0.24	38.
75		37.13	5888.	193	S	0.13	20.
76	S	3.29	522.	207	S	0.39	62.
77	S	0.96	152.	209	S	0.11	17.
78	S	0.65	103.	226	S	0.11	18.
79	S	1.20	191.	250		0.16	25.
80		0.66	105.				
81	S	1.13	179.				
82	S	0.40	63.				
84	S	0.19	30.				
86		0.37	58.				
87	S	5.78	916.				
88	S	5.66	897.				
91	S	0.37	59.				
92		1.84	291.				
93	S	2.79	442.				
94		8.54	1354.				
95	S	100.00	15856.				

MASS SPECTRUM
01/17/89 10:11:00 + 6:21
SAMPLE: BFB STDG V121288A (50NG DI)
CONDS.: GC DESC VO
TEMP: 225 DEG. C
#127 - #116

DATA: BFB011789 #127
CALI: C011789 #3

BASE M/Z: 95
RIC: 66944.



Continuing Calibration Check
Volatile HSL Compounds

Case No. _____

Laboratory Name: Sequoia Analytical

Contract No: _____

Instrument ID: F3

Calibration Date: 1-17-89

Time: 10:28

Laboratory ID: VSTD011789

Initial Calibration Date: 01-12-89

Minimum RF for SPCC is 0.300 (0.25 for Bromoform)

Maximum %D for CCC is 30%

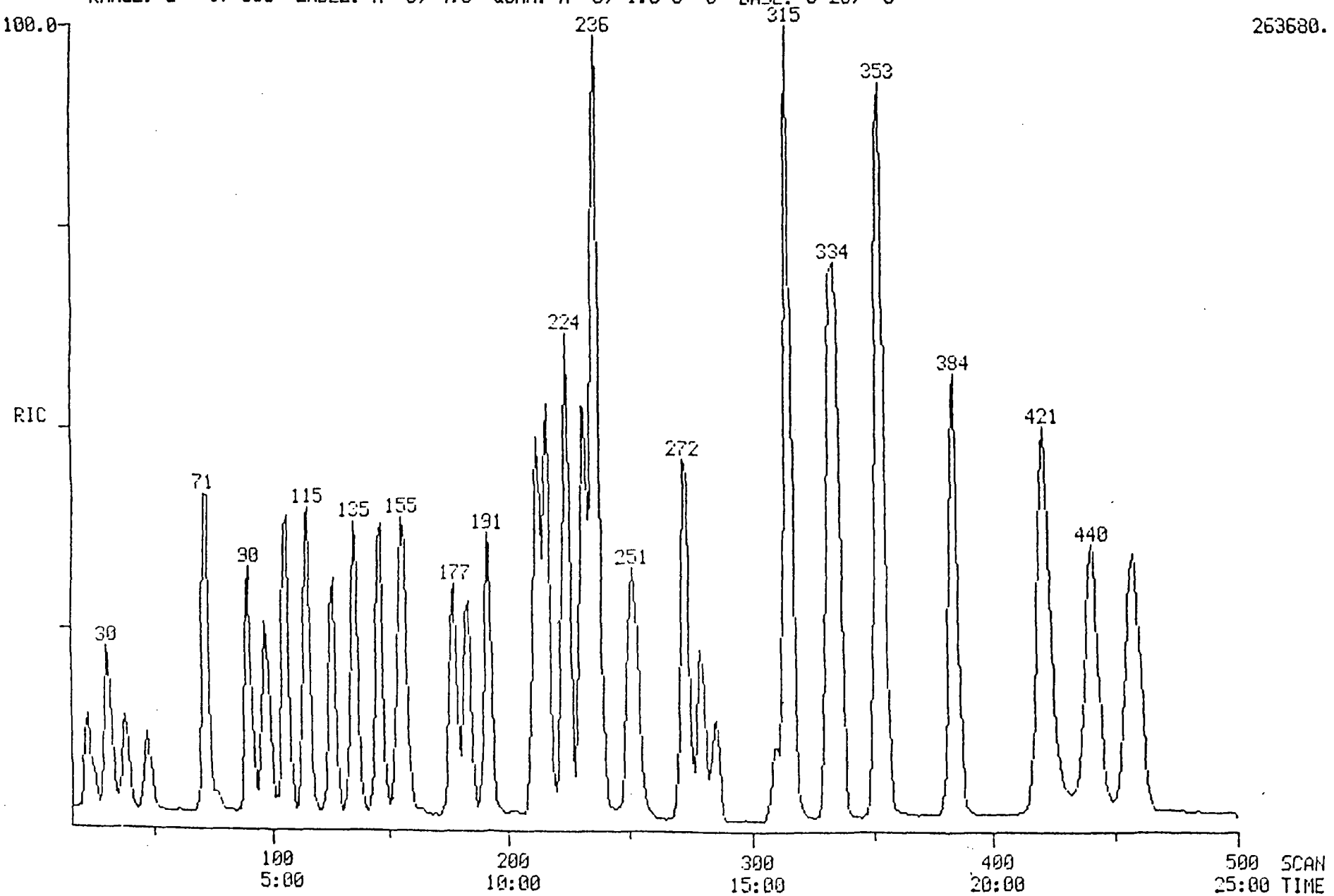
Compound	RF	RF_{50}	%D	CCC	SPCC
Chloromethane	0.928	0.973	-		• •
Bromomethane	1.304	1.319	+1.2		
Vinyl Chloride	1.188	1.184	-0.3	•	
Chloroethane	0.802	0.826	+3.0		
Methylene Chloride	1.913	2.105	+7.2		
Acetone	0.224	0.221	+0.9		
Carbon Disulfide	3.776	3.958	+4.8		
1,1-Dichloroethene	1.988	1.928	+2.1	•	
1,1-Dichloroethane	2.418	2.411	-		• •
Trans-1,2-Dichloroethene	1.823	1.884	+3.4		
Chloroform	2.376	2.428	+2.2	•	
1,2-Dichloroethane	1.118	1.131	+1.2		
2-Butanone	0.110	0.121	+10		
1,1,1-Trichloroethane	0.175	0.220	+26		
Carbon Tetrachloride	0.271	0.320	+18		
Vinyl Acetate	0.135	0.148	+9.6		
Bromodichloromethane	0.480	0.580	+21		
1,2-Dichloropropane	0.439	0.536	+22	•	
Trans-1,3-Dichloropropene	0.652	0.773	+18		
Trichloroethene	0.493	0.571	+16		
Dibromochloromethane	0.406	0.238	+21		
1,1,2-Trichloroethane	0.337	0.401	+19		
Benzene	0.973	1.160	+19		
cis-1,3-Dichloropropene	0.273	0.313	+15		
2-Chloroethylvinylether	0.138	0.185	+34		
Bromoform	0.312	0.317	-		• •
4-Methyl-2-Pentanone	0.264	0.235	-11.5		
2-Hexanone	0.349	0.308	-12		
Tetrachloroethene	0.837	0.799	-4.5		
1,1,2,2-Tetrachloroethane	0.580	0.566	-		• •
Toluene	0.830	0.827	-0.4	•	
Chlorobenzene	1.104	1.092	-		• •
Ethylbenzene	1.123	1.148	+1.5	•	
Styrene	0.912	0.918	+1.7		
Total Xylenes	0.591	0.571	-3.4		

RF_{50} -Response Factor from daily standard file at 50 ug/l
RF -Average Response Factor from initial calibration Form VI

%D -Percent Difference
CCC -Calibration Check Compounds (•)
SPCC -System Performance Check Compounds (••)

RIC
01/17/89 10:28:00
SAMPLE: HSL STD V010989A (50UG/L)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VSTD011789 #2 SCANS 15 TO 500
CALI: VSTD011789 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/17/89 11:01:57
DATA FILE: VSTD011789
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	27	6	6	1	34	VSTDS/VSURR
3	3	1	27	7	7	1	103	VSTDS/V1
3	3	1	27	11	11	2	73	VSTDS/V2
3	3	1	27	11	11	40	28	VSTDS/V3
3	3	1	27	11	11	4	20	VSTDS/V4
3	3	1	27	12	12	2	98	VSTDS/V5

43 COMPOUNDS PROCESSED, 43 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	990	.	128	114	-1	1
2	VV	2	273	272	272	.	1	997	.	114	272	.	1
3	VV	3	353	352	352	.	1	992	.	117	352	.	1
4	VV	4	156	155	155	.	1	966	.	65	155	.	1
5	VV	5	333	332	332	.	1	999	.	98	332	.	1
6	VV	6	422	421	421	.	1	996	.	95	421	.	1
7	VV	7	22	22	22	.	1	981	.	50	22	.	1
8	VV	8	32	32	30	-2	1	994	.	94	30	.	1
9	VV	9	-37	37	38	1	1	963	.	62	38	.	1
10	VV	10	48	48	47	-1	1	994	.	64	47	.	1
11	VV	11	73	72	71	-1	1	1000	.	49	72	1	1
12	VV	12	77	76	77	1	2	992	.	43	77	.	1
13	VV	13	92	91	90	-1	1	998	.	76	90	.	1
14	VV	14	99	98	97	-1	1	995	.	101	97	.	1
15	VV	15	107	106	106	.	1	994	.	61	106	.	1
16	VV	16	127	126	126	.	1	1000	.	63	126	.	1
17	VV	17	136	135	135	.	1	997	.	61	135	.	1
18	VV	18	147	146	146	.	1	1000	.	83	146	.	1
19	VV	19	157	156	156	.	1	981	.	62	156	.	1
20	VV	20	155	154	154	.	2	997	.	43	154	.	1
21	VV	21	178	177	177	.	1	995	.	61	177	.	1
22	VV	22	183	182	182	.	2	1000	.	117	182	.	1
23	VV	23	184	183	183	.	5	952	.	43	183	.	1
24	VV	24	192	191	191	.	1	1000	.	83	191	.	1
25	VV	25	213	212	212	.	1	985	.	63	212	.	1
26	VV	26	217	216	216	.	2	995	.	75	216	.	1
27	VV	27	225	224	224	.	1	998	.	130	224	.	1
28	VV	28	232	231	231	.	1	995	.	78	231	.	1
29	VV	29	237	236	236	.	1	997	.	129	236	.	1
30	VV	30	237	236	236	.	2	997	.	75	236	.	1
31	VV	31	238	237	237	.	1	992	.	83	237	.	1
32	VV	32	254	253	253	.	1	988	.	63	253	.	1
33	VV	33	280	279	279	.	1	1000	.	173	279	.	1
34	VV	34	286	285	285	.	2	998	.	43	285	.	1
35	VV	35	310	309	309	.	2	998	.	43	309	.	1
36	VV	36	316	315	315	.	1	992	.	166	315	.	1
37	VV	37	316	315	315	.	1	991	.	83	315	.	1
38	VV	38	336	335	335	.	1	1000	.	92	335	.	1
39	VV	39	354	353	353	.	1	998	.	112	354	1	1
40	VV	40	385	384	384	.	1	994	.	91	384	.	1
41	VV	41	441	440	440	.	1	997	.	104	440	.	1
42	VV	42	458	457	457	.	1	997	.	106	457	.	1
43	VV	43	-254	253	250	-3	1	999	.	109	250	.	1

Quantitation Report File: VSTD011789

Data: VSTD011789.TI
01/17/89 10:28:00
Sample: HSL STD V010989A (50UG/L)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: SF Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
29	DIBROMOCHLOROMETHANE
30	CIS-2,3-DICHLOROPROPENE
31	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

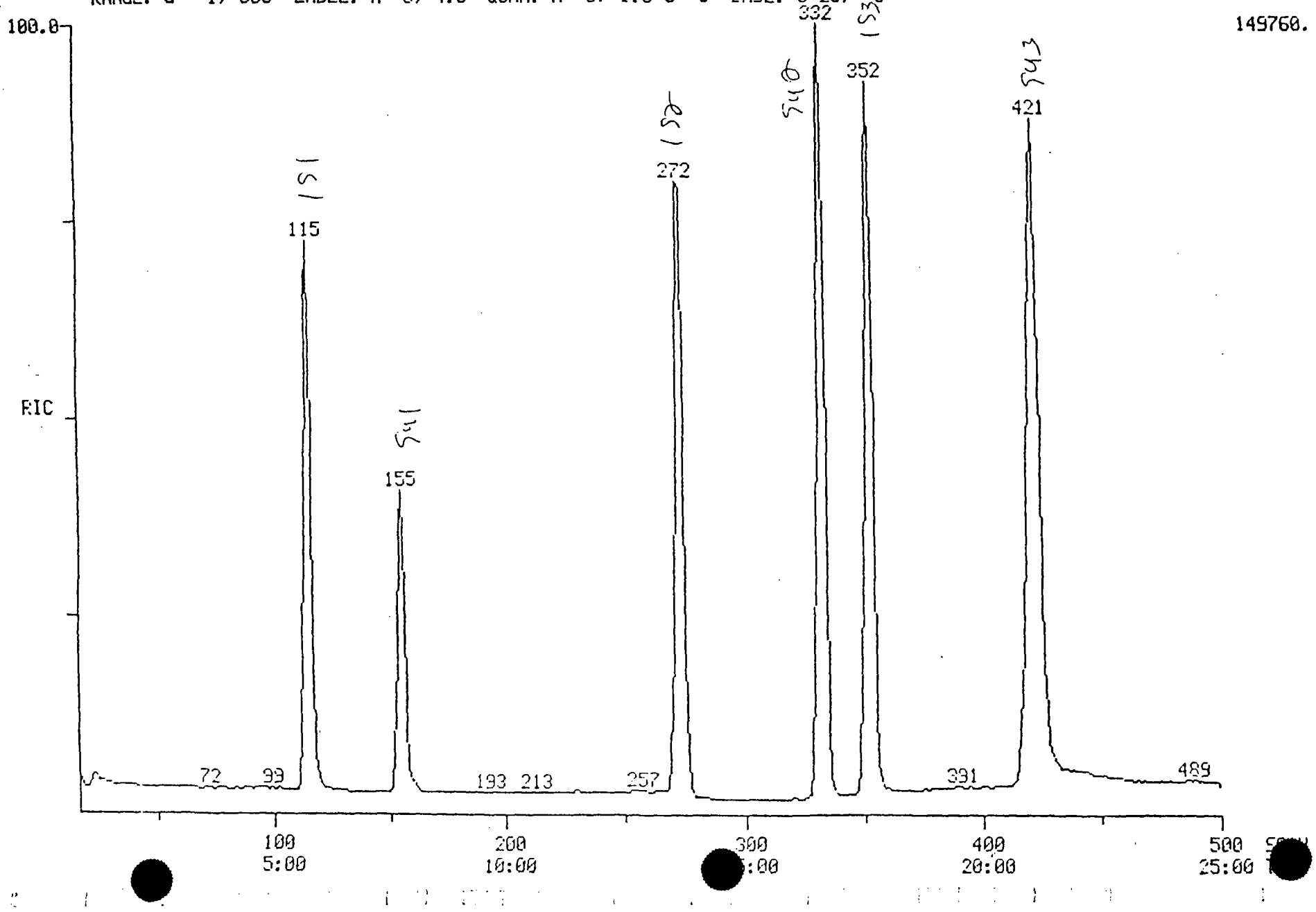
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	51720.	50.000	UG/L	2.17
2	114	272	13:36	2	1.000	A BB	191137.	50.000	UG/L	2.17
3	117	352	17:36	3	1.000	A BB	167006.	50.000	UG/L	2.17
4	65	155	7:45	1	1.360	A BB	55928.	100.000	%	4.35
5	98	332	16:36	3	0.943	A BB	215229.	100.000	%	4.35
6	95	421	21:03	3	1.196	A BB	151986.	100.000	%	4.35
7	50	22	1:06	1	0.193	A BB	50338.	50.000	UG/L	2.17
8	94	30	1:30	1	0.263	A BB	68214.	50.000	UG/L	2.17
9	62	38	1:54	1	0.333	A BV	61238.	50.000	UG/L	2.17
10	64	47	2:21	1	0.412	A VB	42700.	50.000	UG/L	2.17
11	49	72	3:36	1	0.632	A BB	108892.	50.000	UG/L	2.17
12	43	77	3:51	1	0.675	A BV	11665.	50.000	UG/L	2.17
13	76	90	4:30	1	0.789	A BB	204704.	50.000	UG/L	2.17
14	101	97	4:51	1	0.851	A BB	93218.	50.000	UG/L	2.17
15	61	106	5:18	1	0.930	A BB	99700.	50.000	UG/L	2.17
16	63	126	6:18	1	1.105	A BV	127823.	50.000	UG/L	2.17
17	61	135	6:45	1	1.184	A BB	97438.	50.000	UG/L	2.17
18	83	146	7:18	1	1.281	A BB	125567.	50.000	UG/L	2.17
19	62	156	7:48	1	1.368	A BB	58512.	50.000	UG/L	2.17
20	43	154	7:42	2	0.566	A BB	23192.	50.000	UG/L	2.17
21	61	177	8:51	2	0.651	A BB	42063.	50.000	UG/L	2.17
22	117	182	9:06	2	0.669	A VB	61093.	50.000	UG/L	2.17
23	43	183	9:09	2	0.673	A BB	28271.	50.000	UG/L	2.17
24	83	191	9:33	2	0.702	A BB	110905.	50.000	UG/L	2.17
25	63	212	10:36	2	0.779	A BV	102360.	50.000	UG/L	2.17
26	75	216	10:48	2	0.794	A BB	147770.	50.000	UG/L	2.17
27	130	224	11:12	2	0.824	A BV	109080.	50.000	UG/L	2.17
28	78	231	11:33	2	0.849	A BB	221662.	50.000	UG/L	2.17
29	129	236	11:48	2	0.868	A BB	102796.	50.000	UG/L	2.17
30	75	236	11:48	2	0.868	A BB	59792.	50.000	UG/L	2.17
31	83	237	11:51	2	0.871	A BV	76656.	50.000	UG/L	2.17
32	63	253	12:39	2	0.930	A BB	35411.	50.000	UG/L	2.17
33	173	279	13:57	2	1.026	A BB	60649.	50.000	UG/L	2.17
34	43	285	14:15	3	0.810	A BB	51366.	50.000	UG/L	2.17
35	43	309	15:27	3	0.878	A BB	39290.	50.000	UG/L	2.17
36	166	315	15:45	3	0.895	A BB	133423.	50.000	UG/L	2.17
37	83	315	15:45	3	0.895	A BB	86248.	50.000	UG/L	2.17
38	92	335	16:45	3	0.952	A BB	138140.	50.000	UG/L	2.17
39	112	354	17:42	3	1.006	A BB	182391.	50.000	UG/L	2.17
40	91	384	19:12	3	1.091	A BB	275180.	50.000	UG/L	2.17
41	104	440	22:00	3	1.250	A BB	153233.	50.000	UG/L	2.17
42	106	457	22:51	3	1.298	A BB	95314.	50.000	UG/L	2.17
43	109	250	12:30	2	0.919	A BB	95792.	50.000	UG/L	2.17

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	5:42	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	13:36	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	17:36	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	7:45	1.00	1.360	1.00	100.00	100.00	0.541	0.541	1.00
5	16:36	1.00	0.943	1.00	100.00	100.00	0.644	0.644	1.00
6	21:03	1.00	1.196	1.00	100.00	100.00	0.455	0.455	1.00
7	1:06	1.00	0.193	1.00	50.00	50.00	0.973	0.973	1.00
8	1:30	1.00	0.263	1.00	50.00	50.00	1.319	1.319	1.00
9	1:54	1.00	0.333	1.00	50.00	50.00	1.184	1.184	1.00
10	2:21	1.00	0.412	1.00	50.00	50.00	0.826	0.826	1.00
11	3:36	1.00	0.632	1.00	50.00	50.00	2.105	2.105	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
12	3:51	1.00	0.675	1.00	50.00	50.00	0.226	0.226	1.00
13	4:30	1.00	0.789	1.00	50.00	50.00	3.958	3.958	1.00
14	4:51	1.00	0.851	1.00	50.00	50.00	1.802	1.802	1.00
15	5:18	1.00	0.930	1.00	50.00	50.00	1.928	1.928	1.00
16	6:18	1.00	1.105	1.00	50.00	50.00	2.471	2.471	1.00
17	6:45	1.00	1.184	1.00	50.00	50.00	1.884	1.884	1.00
18	7:18	1.00	1.281	1.00	50.00	50.00	2.428	2.428	1.00
19	7:48	1.00	1.368	1.00	50.00	50.00	1.131	1.131	1.00
20	7:42	1.00	0.566	1.00	50.00	50.00	0.121	0.121	1.00
21	8:51	1.00	0.651	1.00	50.00	50.00	0.220	0.220	1.00
22	9:06	1.00	0.669	1.00	50.00	50.00	0.320	0.320	1.00
23	9:09	1.00	0.673	1.00	50.00	50.00	0.148	0.148	1.00
24	9:33	1.00	0.702	1.00	50.00	50.00	0.580	0.580	1.00
25	10:36	1.00	0.779	1.00	50.00	50.00	0.536	0.536	1.00
26	10:48	1.00	0.794	1.00	50.00	50.00	0.773	0.773	1.00
27	11:12	1.00	0.824	1.00	50.00	50.00	0.571	0.571	1.00
28	11:33	1.00	0.849	1.00	50.00	50.00	1.160	1.160	1.00
29	11:48	1.00	0.868	1.00	50.00	50.00	0.538	0.538	1.00
30	11:48	1.00	0.868	1.00	50.00	50.00	0.313	0.313	1.00
31	11:51	1.00	0.871	1.00	50.00	50.00	0.401	0.401	1.00
32	12:39	1.00	0.930	1.00	50.00	50.00	0.185	0.185	1.00
33	13:57	1.00	1.026	1.00	50.00	50.00	0.317	0.317	1.00
34	14:15	1.00	0.810	1.00	50.00	50.00	0.308	0.308	1.00
35	15:27	1.00	0.878	1.00	50.00	50.00	0.235	0.235	1.00
36	15:45	1.00	0.895	1.00	50.00	50.00	0.799	0.799	1.00
37	15:45	1.00	0.895	1.00	50.00	50.00	0.516	0.516	1.00
38	16:45	1.00	0.952	1.00	50.00	50.00	0.827	0.827	1.00
39	17:42	1.00	1.006	1.00	50.00	50.00	1.092	1.092	1.00
40	19:12	1.00	1.091	1.00	50.00	50.00	1.648	1.648	1.00
41	22:00	1.00	1.250	1.00	50.00	50.00	0.918	0.918	1.00
42	22:51	1.00	1.298	1.00	50.00	50.00	0.571	0.571	1.00
43	12:30	1.00	0.919	1.00	50.00	50.00	0.501	0.501	1.00

RIC
01/17/89 12:19:00
SAMPLE: VOA BLANK (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VBLK011789 #1 SCANS 15 TO 500
CALI: VBLK011789 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/17/89 12:56:03
DATA FILE: VBLK011789
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	27	6	6	1	34	VSTDS/VSURR
3	3	1	27	7	3	1	27	VSTDS/V1
3	3	1	27	11	5	1	51	VSTDS/V2
3	3	1	27	11	4	1	46	VSTDS/V3
3	3	1	27	11	3	1	27	VSTDS/V4
3	3	1	27	12	4	4	115	VSTDS/V5

43 COMPOUNDS PROCESSED, 10 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	988	.	128	115	.	1
2	VV	2	273	272	272	.	1	1000	.	114	272	.	1
3	VV	3	353	352	352	.	1	991	.	117	352	.	1
4	VV	4	156	155	155	.	1	978	.	65	155	.	1
5	VV	5	333	332	332	.	1	1000	.	98	332	.	1
6	VV	6	422	421	421	.	1	991	.	95	421	.	1
7	VV	7	22	22	.	.	.	.	.	50	23	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	73	72	-1	1	893	.	49	72	.	1
12	VV	12	77	77	77	.	1	1000	.	43	77	.	1
13	VV	13	92	92	.	.	.	.	.	76	.	.	.
14	VV	14	99	99	.	.	.	.	.	101	98	.	1
15	VV	15	107	107	.	.	.	.	.	61	.	.	.
16	VV	16	127	127	.	.	.	.	.	63	.	.	.
17	VV	17	136	136	.	.	.	.	.	61	.	.	.
18	VV	18	147	146	.	.	.	.	.	83	.	.	.
19	VV	19	157	156	.	.	.	.	.	62	155	.	1
20	VV	20	155	154	154	.	1	990	.	43	154	.	1
21	VV	21	178	177	.	.	.	.	.	61	.	.	.
22	VV	22	183	182	.	.	.	.	.	117	.	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	224	.	.	.	.	.	130	.	.	.
28	VV	28	232	231	.	.	.	.	.	78	232	.	1
29	VV	29	237	236	.	.	.	.	.	129	.	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.	.
31	VV	31	238	237	.	.	.	.	.	83	.	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	.	.	.	.	.	43	.	.	.
35	VV	35	310	310	311	1	4	857	.	43	.	.	.
36	VV	36	316	316	.	.	.	.	.	166	.	.	.
37	VV	37	316	316	.	.	.	.	.	83	.	.	.
38	VV	38	336	336	.	.	.	.	.	92	335	.	1
39	VV	39	354	354	.	.	.	.	.	112	.	.	.
40	VV	40	385	385	.	.	.	.	.	91	384	.	1
41	VV	41	441	440	.	.	.	.	.	104	439	.	1
42	VV	42	458	457	.	.	.	.	.	106	.	.	.
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: VBLK011789

Data: VBLK011789.TI
01/17/89 12:19:00
Sample: VOA BLANK (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: SF Acct. No.: -

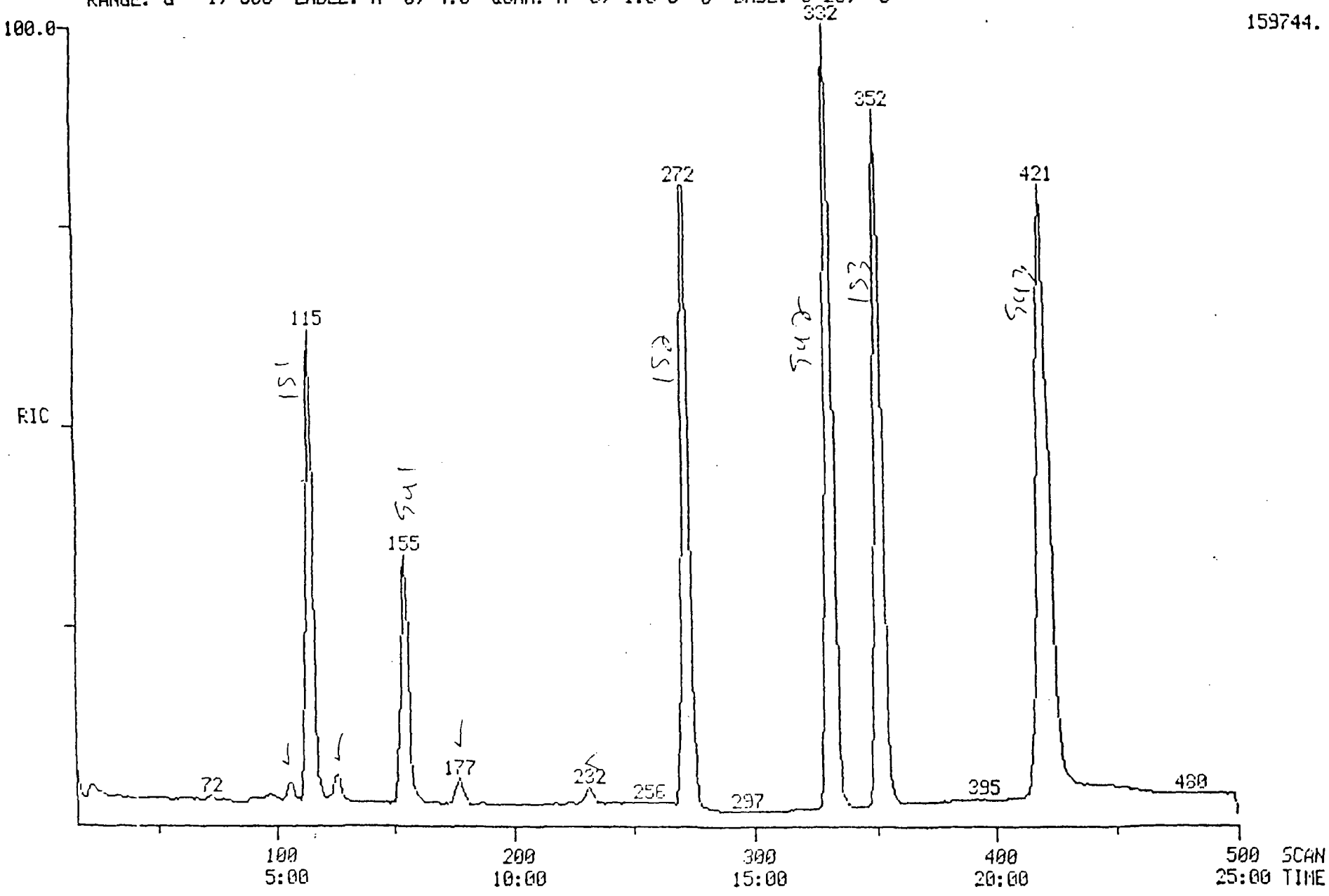
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	51836.	50.000 UG/L	11.14
2	114	272	13:36	2	1.000	A BB	193679.	50.000 UG/L	11.14
3	117	352	17:36	3	1.000	A BB	157571.	50.000 UG/L	11.14
4	65	155	7:45	1	1.348	A BB	52409.	93.498 %	20.84
5	98	332	16:36	3	0.943	A BB	206918.	101.895 %	22.71
6	95	421	21:03	3	1.196	A BB	148178.	103.332 %	23.03

RIC
01/17/89 13:19:00
SAMPLE: 8901JC12 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010427 #177 SCANS 15 TO 500
CALI: V9010427 #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/17/89 13:52:39
DATA FILE: V9010427
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	27	6	6	1	34	VSTDS/VSURR
3	3	1	27	7	3	1	27	VSTDS/V1
3	3	1	27	11	9	1	62	VSTDS/V2
3	3	1	27	11	6	1	286	VSTDS/V3
3	3	1	27	11	4	1	41	VSTDS/V4
3	3	1	27	12	4	1	698	VSTDS/V5

43 COMPOUNDS PROCESSED, 17 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	989	.	128	114	-1	1
2	VV	2	273	272	272	.	1	1000	.	114	272	.	1
3	VV	3	353	352	352	.	1	991	.	117	352	.	1
4	VV	4	156	155	155	.	1	973	.	65	155	.	1
5	VV	5	333	332	332	.	1	997	.	98	332	.	1
6	VV	6	422	421	421	.	1	996	.	95	421	.	1
7	VV	7	22	22	.	.	.	.	.	50	22	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	994	.	49	72	.	1
12	VV	12	77	76	77	1	1	997	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	90	.	1
14	VV	14	99	98	98	.	1	989	.	101	97	-1	1
15	VV	15	107	106	106	.	1	996	.	61	106	.	1
16	VV	16	127	126	126	.	1	998	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	136	.	1
18	VV	18	147	146	145	-1	1	859	.	83	146	1	1
19	VV	19	157	155	.	.	.	.	.	62	156	.	1
20	VV	20	155	153	154	1	1	995	.	43	154	.	1
21	VV	21	178	176	177	1	1	992	.	61	177	.	1
22	VV	22	183	181	176	-5	1	971	.	117	177	1	1
23	VV	23	184	182	.	.	.	.	.	43	.	.	.
24	VV	24	192	190	.	.	.	.	.	83	.	.	.
25	VV	25	213	211	.	.	.	.	.	63	.	.	.
26	VV	26	217	215	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	.	.	.	.	.	130	224	.	1
28	VV	28	232	232	232	.	1	993	.	78	232	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	.	.	.	.	.	43	283	.	1
35	VV	35	310	313	321	8	1	863	.	43	.	.	.
36	VV	36	316	319	.	.	.	.	.	166	.	.	.
37	VV	37	316	319	.	.	.	.	.	83	.	.	.
38	VV	38	336	339	.	.	.	.	.	92	.	.	.
39	VV	39	354	357	.	.	.	.	.	112	.	.	.
40	VV	40	385	389	.	.	.	.	.	91	.	.	.
41	VV	41	441	446	.	.	.	.	.	104	.	.	.
42	VV	42	458	463	.	.	.	.	.	106	.	.	.
43	VV	43	-254	256	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010427

Data: V9010427.TI
01/17/89 13:19:00
Sample: 8901JC12 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: SF Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHENE (*)
8	1,1-DICHLOROETHANE (**)
9	1,1,1-TRICHLOROETHANE

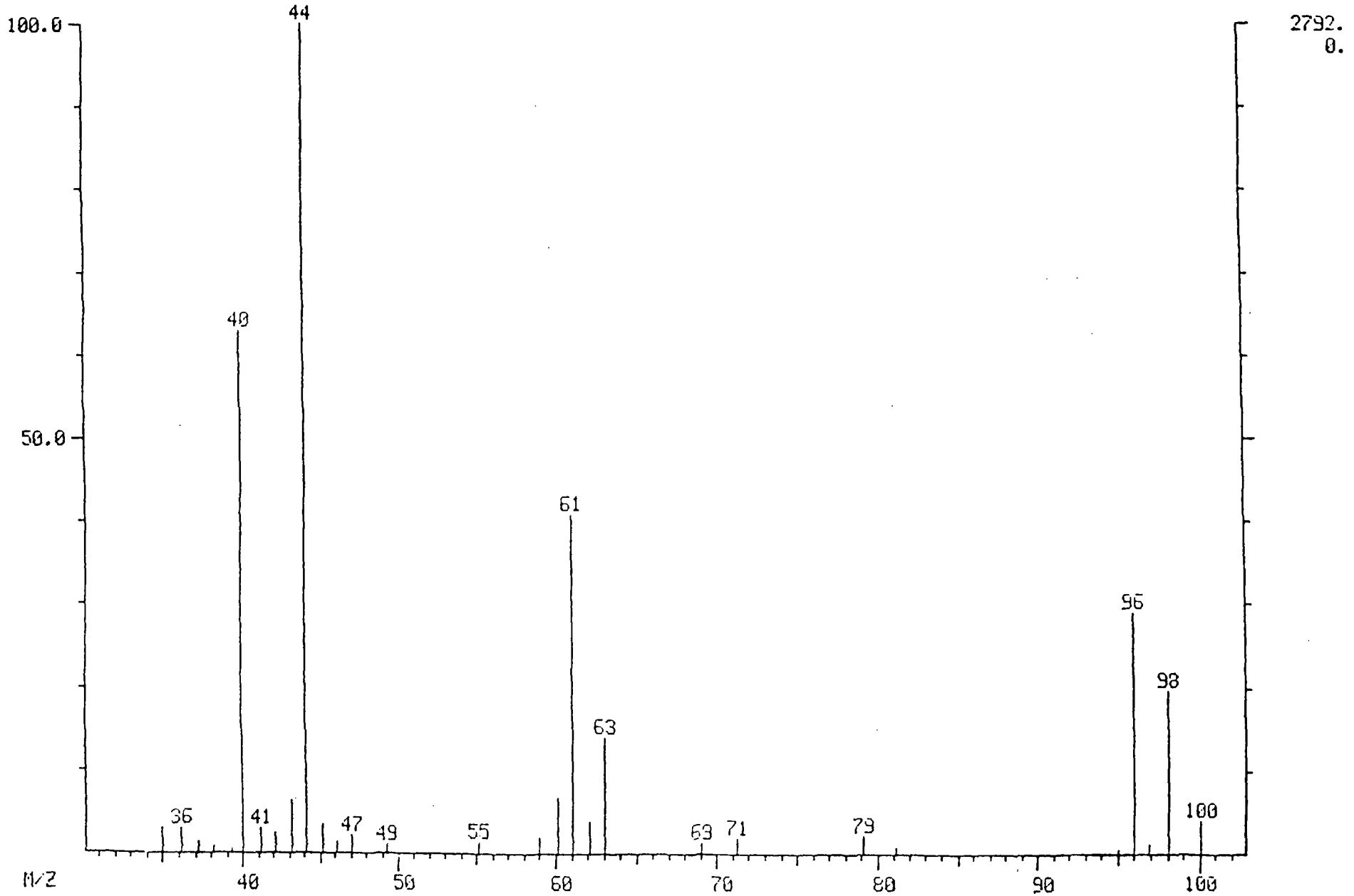
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BB	47670.	50.000	UG/L	11.00
2	114	272	13:36	2	1.000	A BB	204581.	50.000	UG/L	11.00
3	117	352	17:36	3	1.000	A BB	160943.	50.000	UG/L	11.00
4	65	155	7:45	1	1.360	A BB	45750.	88.751	%	19.53
5	98	332	16:36	3	0.943	A BB	220751.	106.430	%	23.41
6	95	421	21:03	3	1.196	A BB	147735.	100.865	%	22.19
7	61	106	5:18	1	0.930	A BB	3794.	2.064	UG/L	0.45
8	63	126	6:18	1	1.105	A BB	8507.	3.610	UG/L	0.79
9	61	177	8:51	2	0.651	A BB	2545.	2.826	UG/L	0.62

SP

MASS SPECTRUM
01/17/89 13:19:00 + 5:18
SAMPLE: 8901JC12 (5ML)
CONDS.: GC DESC VO
TEMP: 97 DEG. C

DATA: V9010427 #106
CALI: V9010427 #3

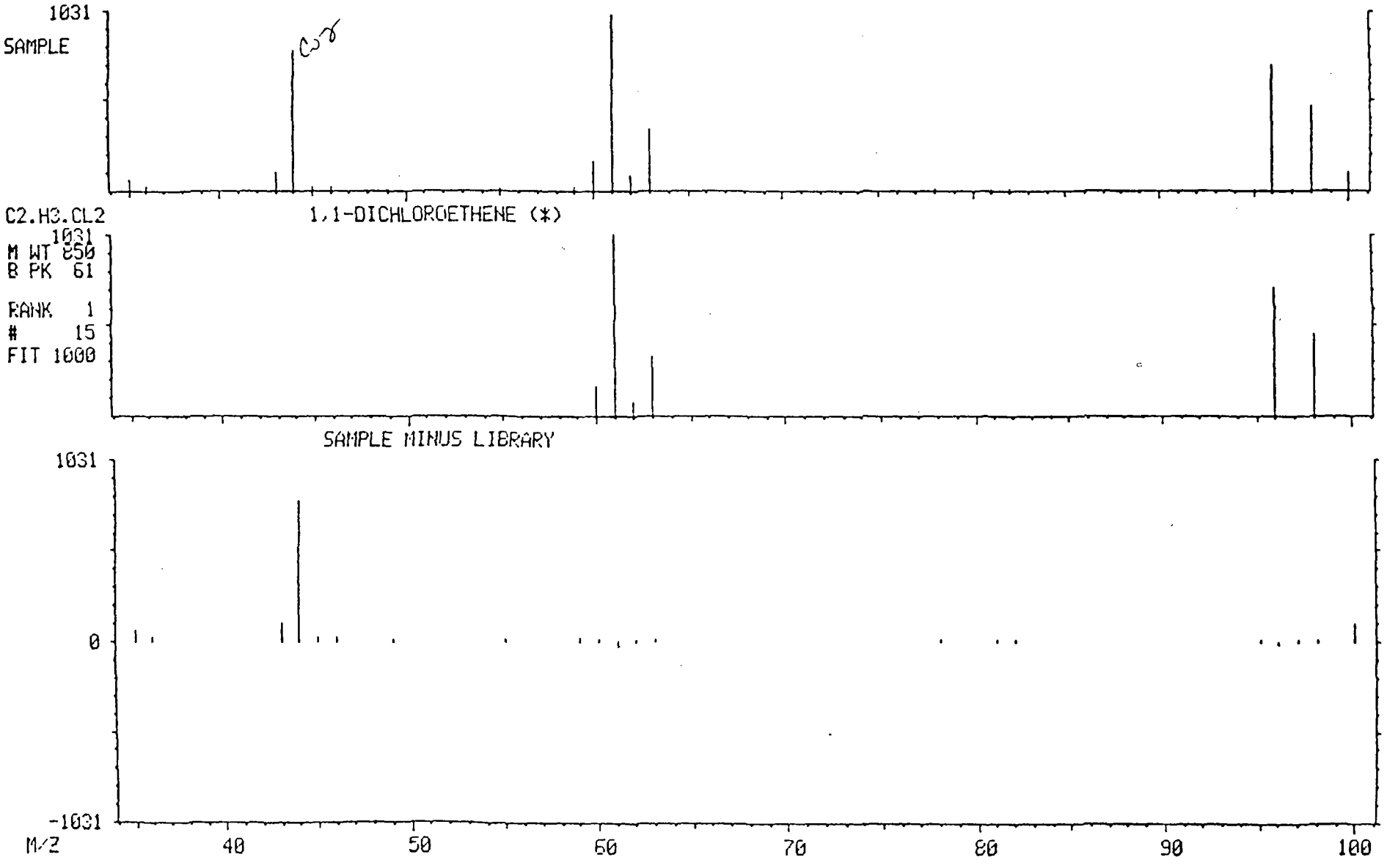
BASE M/Z: 44
RIC: 8976.



MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 13:19:00 + 5:18
SAMPLE: 8901JC12 (5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010427 # 106
CALI: V9010427 # 3

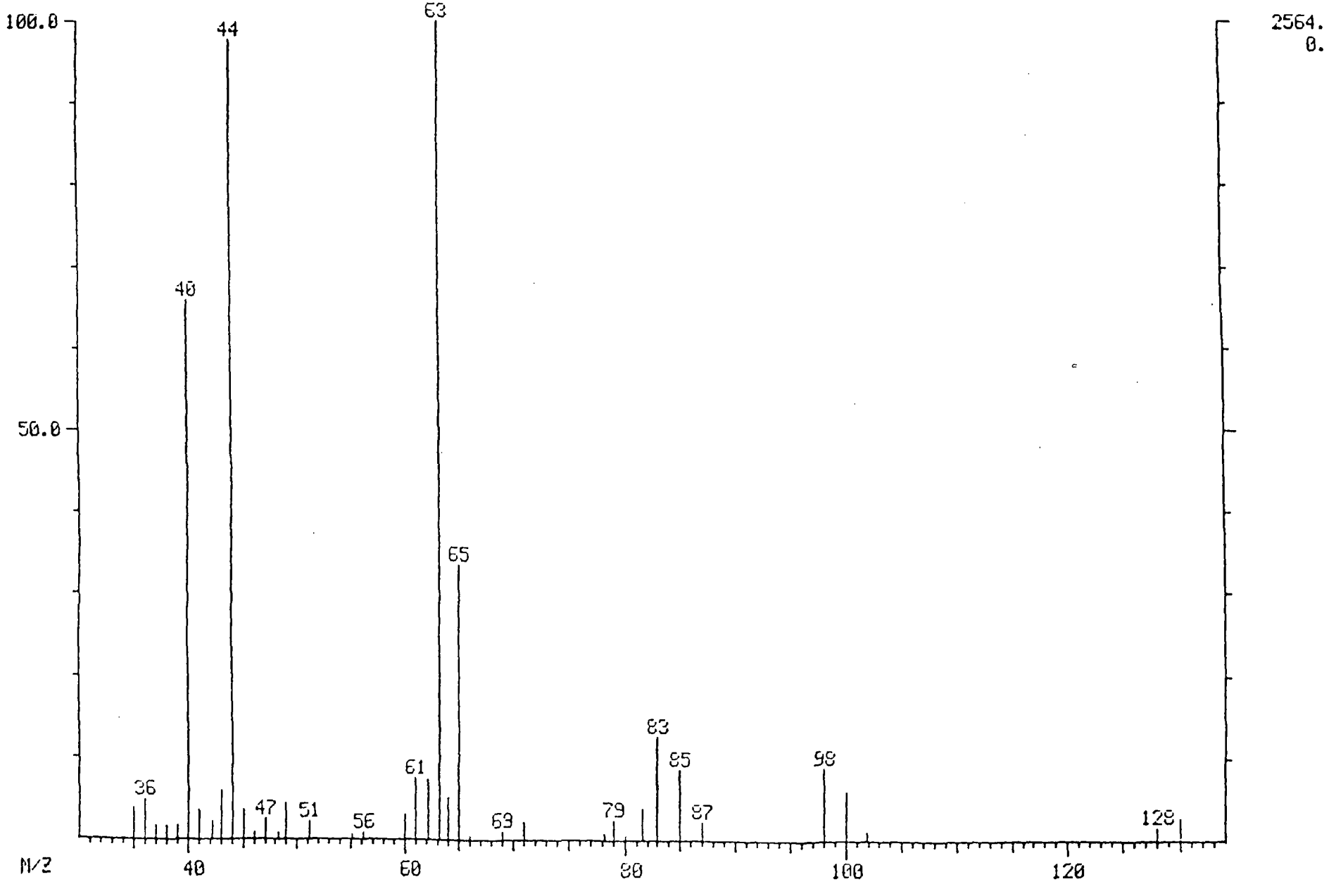
BASE M/Z: 61
RIC: 4352.



MASS SPECTRUM
01/17/89 13:19:00 + 6:18
SAMPLE: 8901JC12 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010427 #126
CALI: V9010427 #3

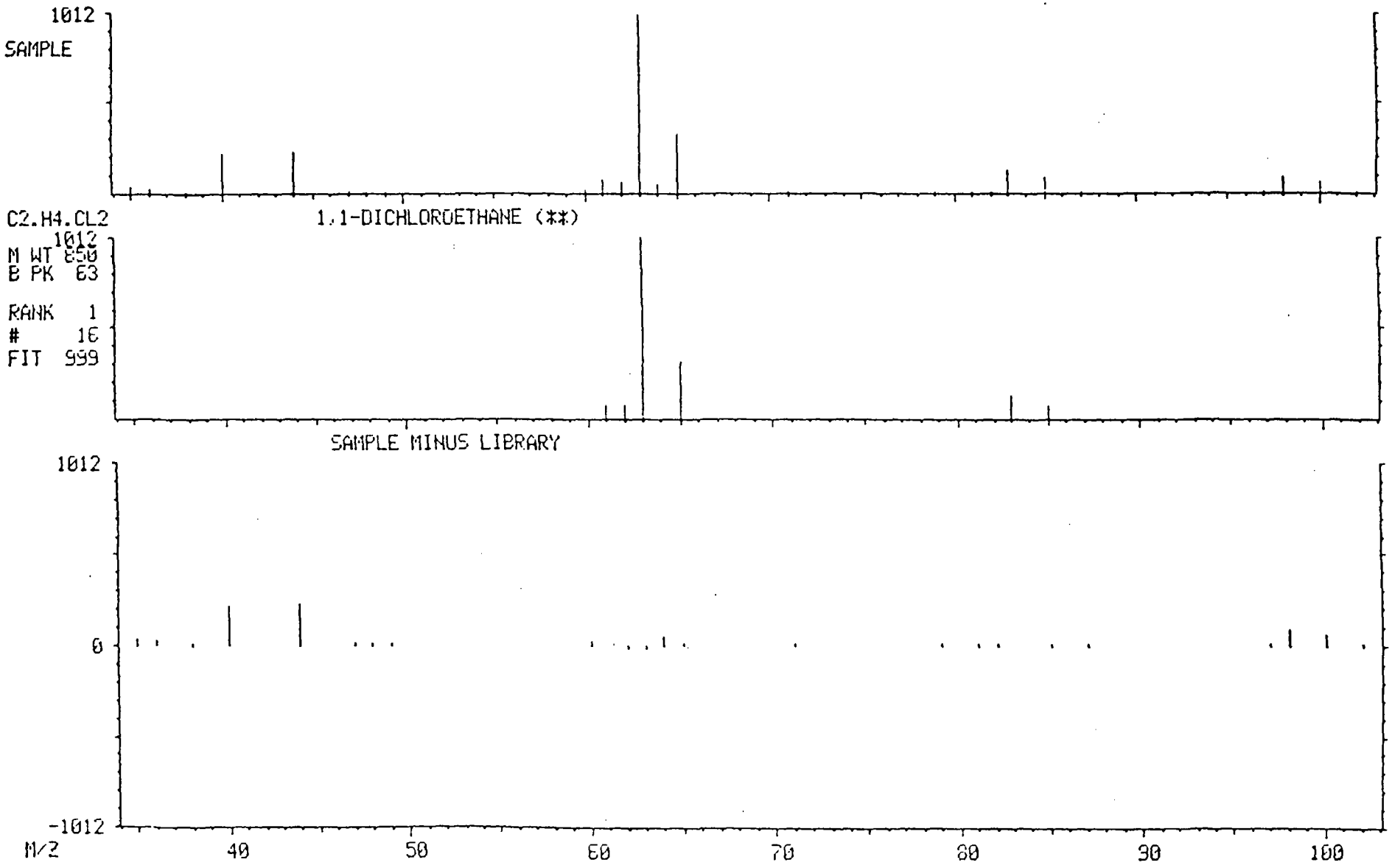
BASE M/Z: 63
RIC: 10656.



MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 13:19:00 + 6:18
SAMPLE: 8901JC12 (5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010427 # 126
CALI: V9010427 # 3

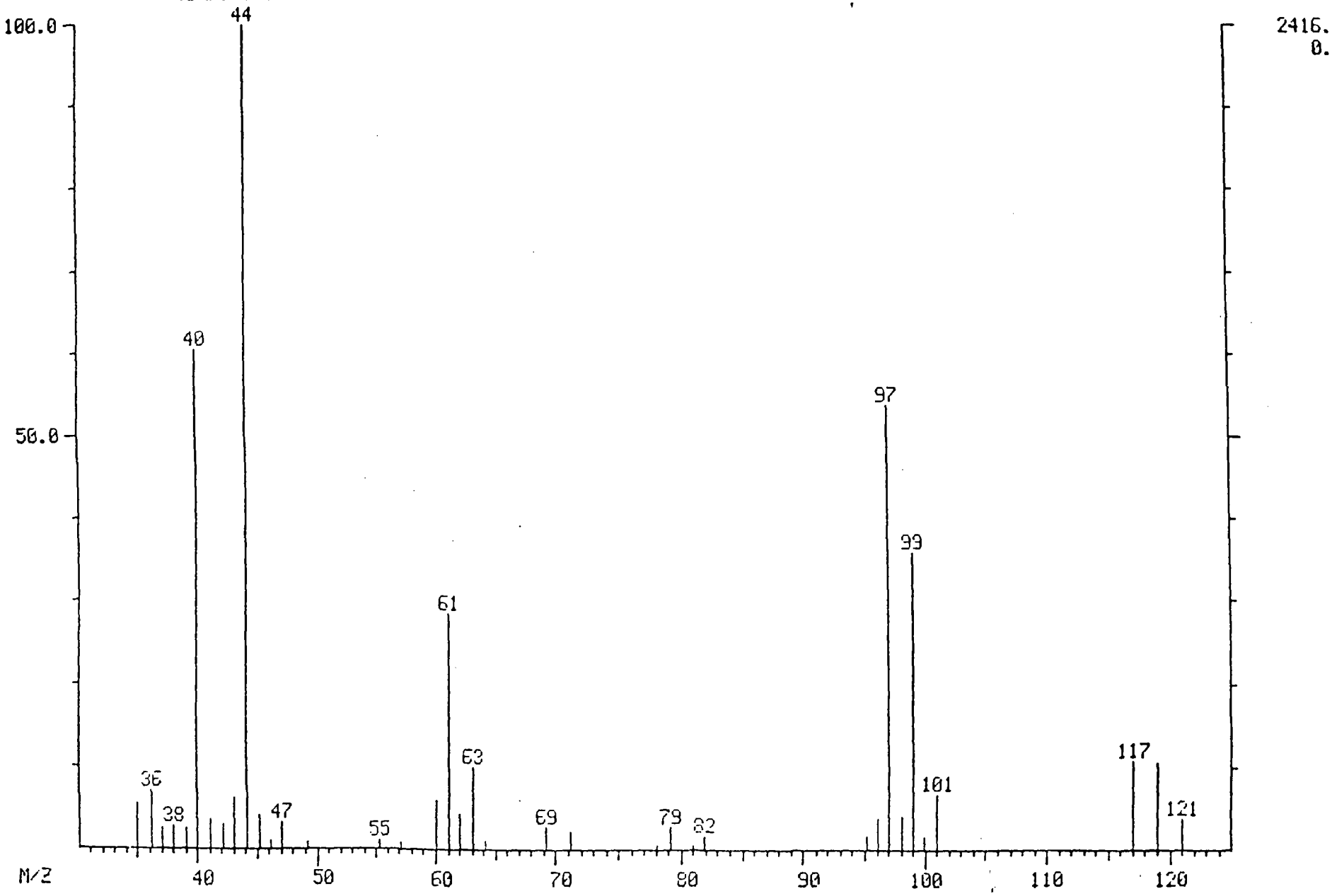
BASE M/Z: 63
RIC: 6216.



MASS SPECTRUM
01/17/89 13:19:00 + 8:51
SAMPLE: 8901JC12 (5ML)
CONDS.: GC DESC VO
TEMP: 133 DEG. C

DATA: V9010427 #177
CALI: V9010427 #3

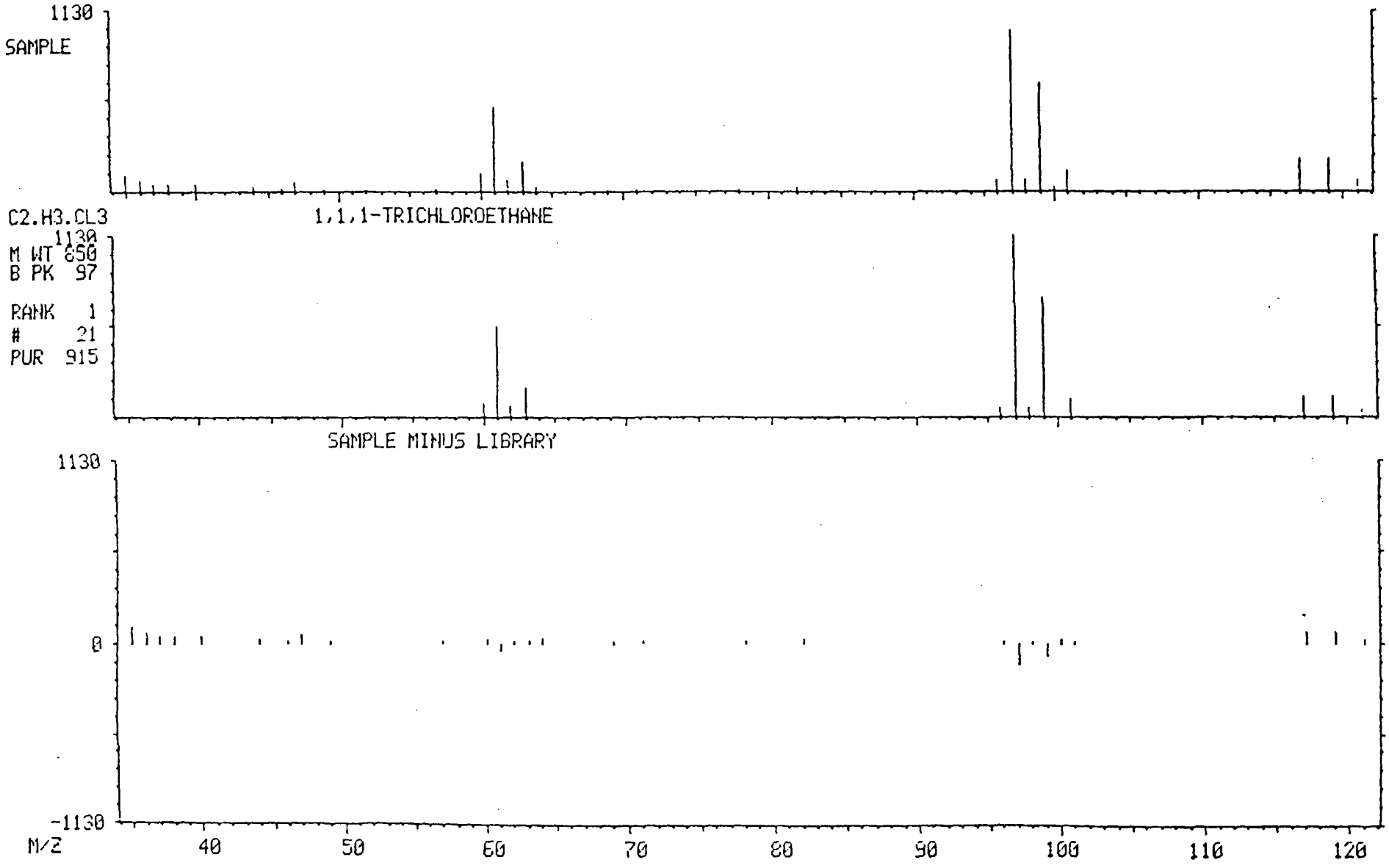
BASE M/Z: 44
RIC: 9600.



MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 13:19:00 + 8:51
SAMPLE: 8901JC12 (5ML)
CONDS.: GC DESC VO
177 - # 162 TO # 171 - # 183 TO # 200

DATA: V9010427 # 177
CAL1: V9010427 # 3

BASE M/Z: 97
RIC: 4976.

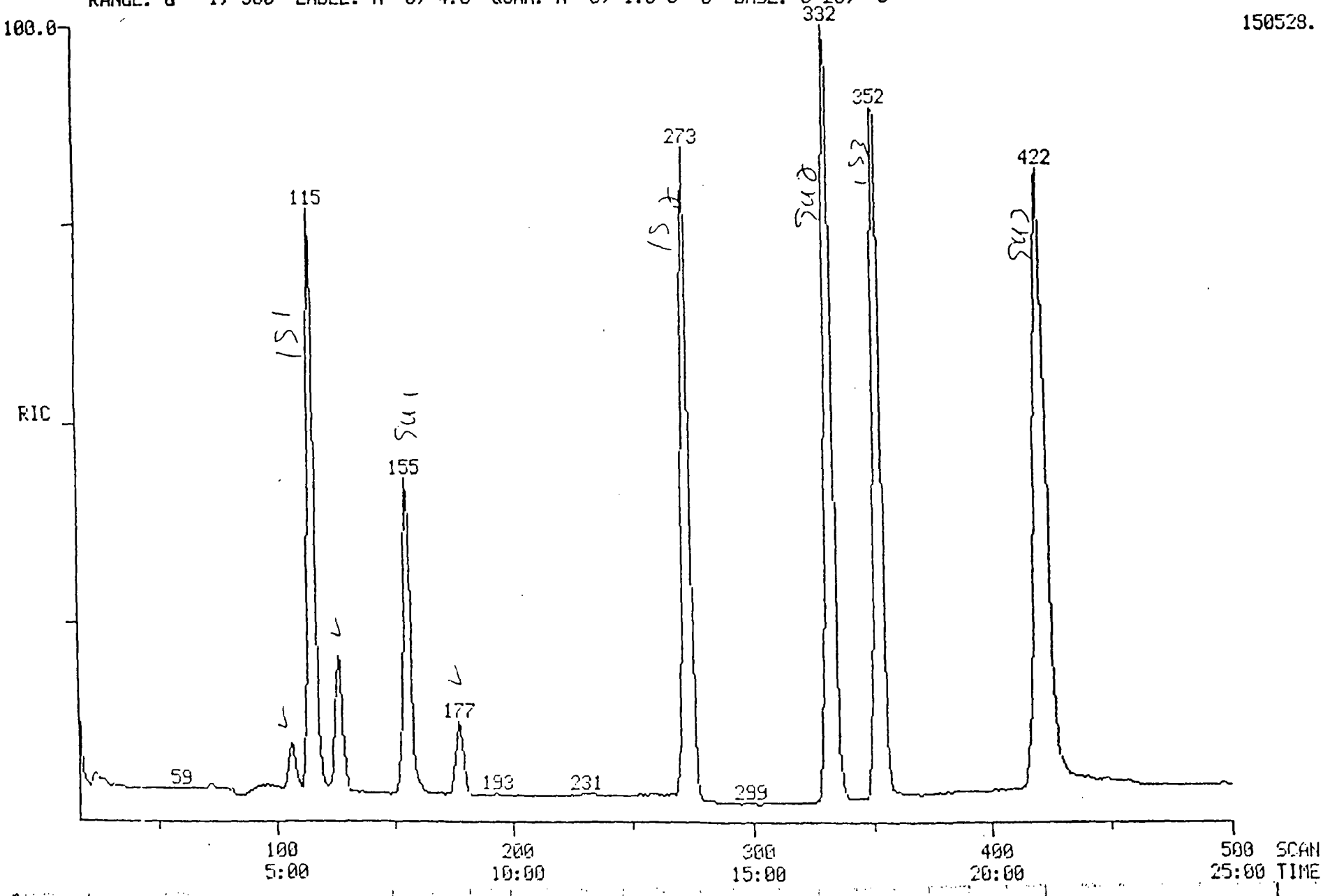


RIC
01/17/89 14:02:00
SAMPLE: 8901JC13 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010428 #2
CALI: V9010428 #3

SCANS 15 TO 500

150528.



PROCEDURE: TCA DIAGNOSTIC REPORT 1/17/89 14:28:41
DATA FILE: V9010428
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

---- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	7	3	58	VSTDS/V2
3	3	1	53	11	6	1	251	VSTDS/V3
3	3	1	53	11	4	1	87	VSTDS/V4
3	3	1	53	12	5	1	643	VSTDS/V5

43 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND		><	---------- SEARCH ----------					>< SAT	>< ------ CHRO -------			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	994	.	128	115	.	1
2	VV	2	273	273	273	.	1	998	.	114	273	.	1
3	VV	3	353	352	352	.	1	992	.	117	352	.	1
4	VV	4	156	156	155	-1	1	974	.	65	155	.	1
5	VV	5	333	332	332	.	1	1000	.	98	332	.	1
6	VV	6	422	421	421	.	1	993	.	95	422	1	1
7	VV	7	22	22	.	.	.	.	.	50	22	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	994	.	49	72	.	1
12	VV	12	77	76	77	1	3	997	.	43	77	.	1
13	VV	13	92	91	.	.	.	.	.	76	91	.	1
14	VV	14	99	98	.	.	.	.	.	101	98	.	1
15	VV	15	107	106	106	.	1	991	.	61	106	.	1
16	VV	16	127	126	126	.	1	998	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	.	.	.
18	VV	18	147	146	.	.	.	.	.	83	146	.	1
19	VV	19	157	155	.	.	.	.	.	62	155	.	1
20	VV	20	155	153	154	1	1	991	.	43	154	.	1
21	VV	21	178	176	177	1	1	998	.	61	177	.	1
22	VV	22	183	181	177	-4	1	989	.	117	177	.	1
23	VV	23	184	182	.	.	.	.	.	43	.	.	.
[illegible]	VV	24	192	190	.	.	.	.	.	83	.	.	.
[illegible]	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	.	.	.	.	.	130	.	.	.
28	VV	28	232	232	233	1	1	871	.	78	233	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	.	.	.	.	.	43	.	.	.
35	VV	35	310	312	322	10	1	851	.	43	.	.	.
36	VV	36	316	318	.	.	.	.	.	166	.	.	.
37	VV	37	316	318	.	.	.	.	.	83	.	.	.
38	VV	38	336	338	335	-3	1	888	.	92	335	.	1
39	VV	39	354	357	.	.	.	.	.	112	.	.	.
40	VV	40	385	388	.	.	.	.	.	91	.	.	.
41	VV	41	441	444	.	.	.	.	.	104	442	.	1
42	VV	42	458	461	.	.	.	.	.	106	.	.	.
43	VV	43	-254	256	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010428

Data: V9010428.TI
01/17/89 14:02:00
Sample: 8901JC13 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: SF Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHENE (*)
8	1,1-DICHLOROETHANE (**)
9	1,1,1-TRICHLOROETHANE

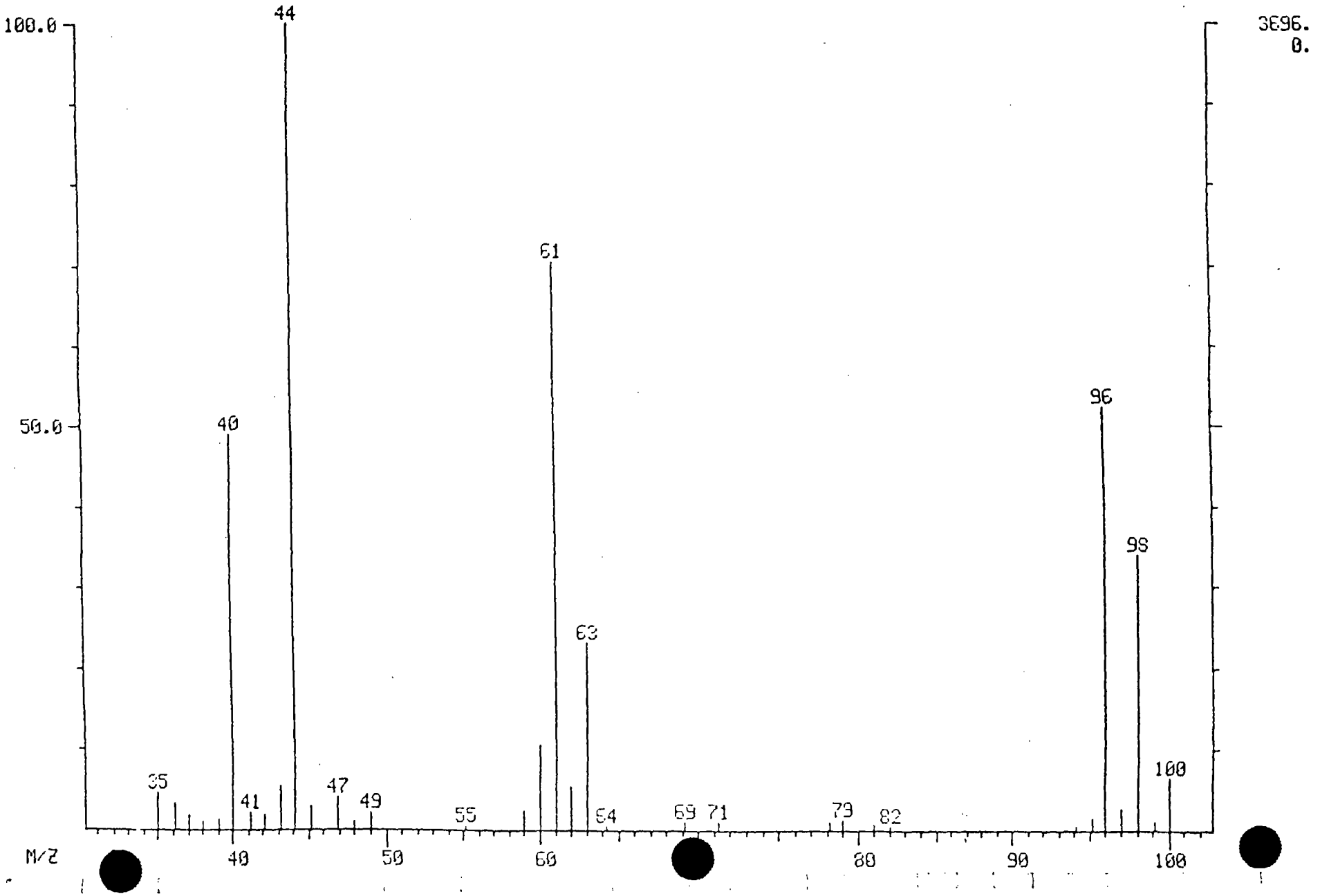
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	54155.	50.000	UG/L	10.46
2	114	273	13:39	2	1.000	A BB	190451.	50.000	UG/L	10.46
3	117	352	17:36	3	1.000	A BB	159631.	50.000	UG/L	10.46
4	65	155	7:45	1	1.348	A BB	54493.	93.052	%	19.46
5	98	332	16:36	3	0.943	A BB	210069.	102.111	%	21.35
6	95	422	21:06	3	1.199	A BB	151333.	104.170	%	21.79
7	61	106	5:18	1	0.922	A BB	8997.	4.309	UG/L	0.90
8	63	126	6:18	1	1.096	A BB	42420.	15.847	UG/L	3.31
9	61	177	8:51	2	0.648	A BB	7270.	8.673	UG/L	1.81

SR

MASS SPECTRUM
01/17/89 14:02:00 + 5:18
SAMPLE: 8901JC13 (5ML)
CONDS.: GC DESC VO
TEMP: 97 DEG. C

DATA: V9010428 #106
CALI: V9010428 #3

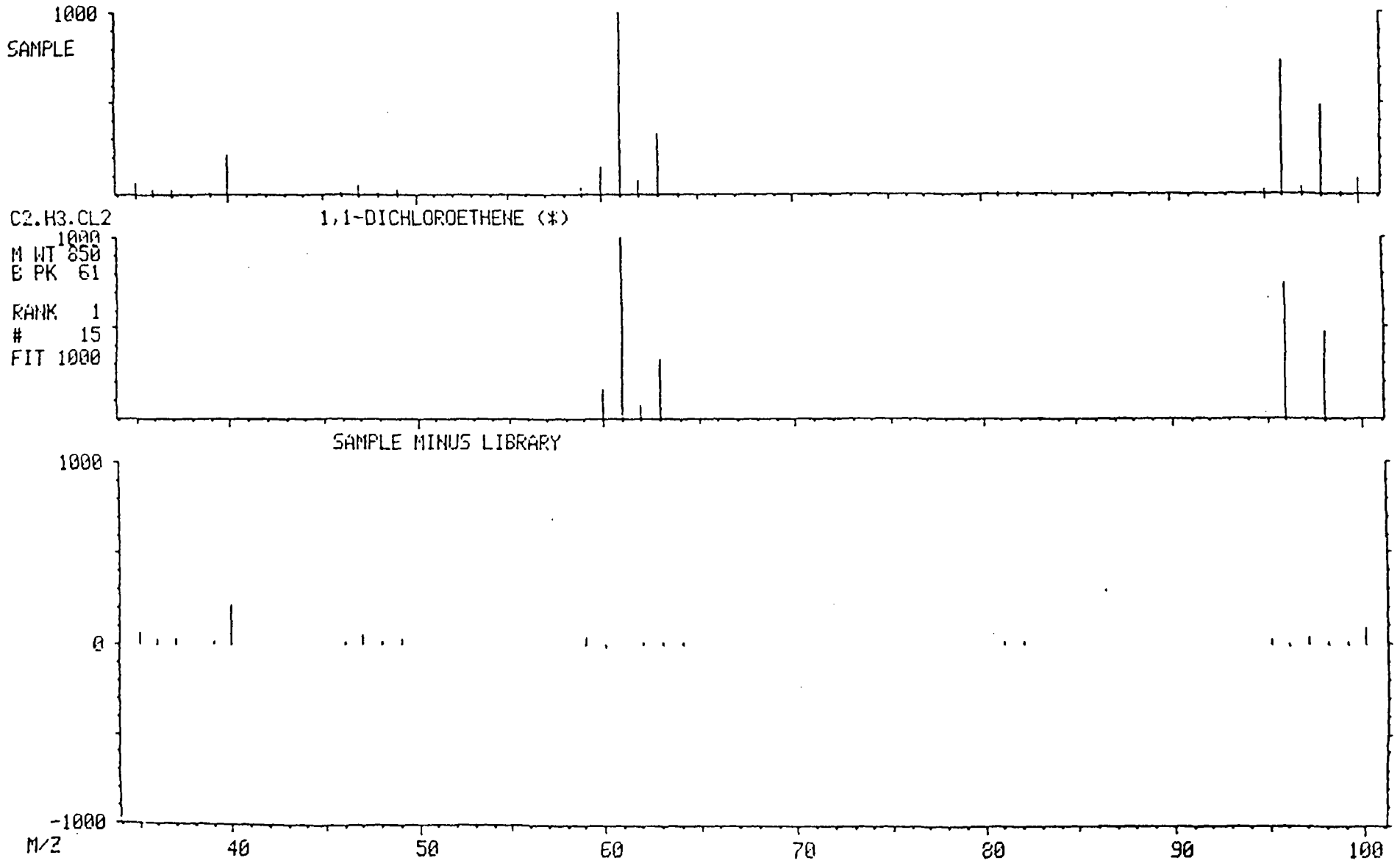
BASE M/Z: 44
RIC: 14768.



MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 14:02:00 + 5:18
SAMPLE: 8901JC13 (5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010428 # 106
CALI: V9010428 # 3

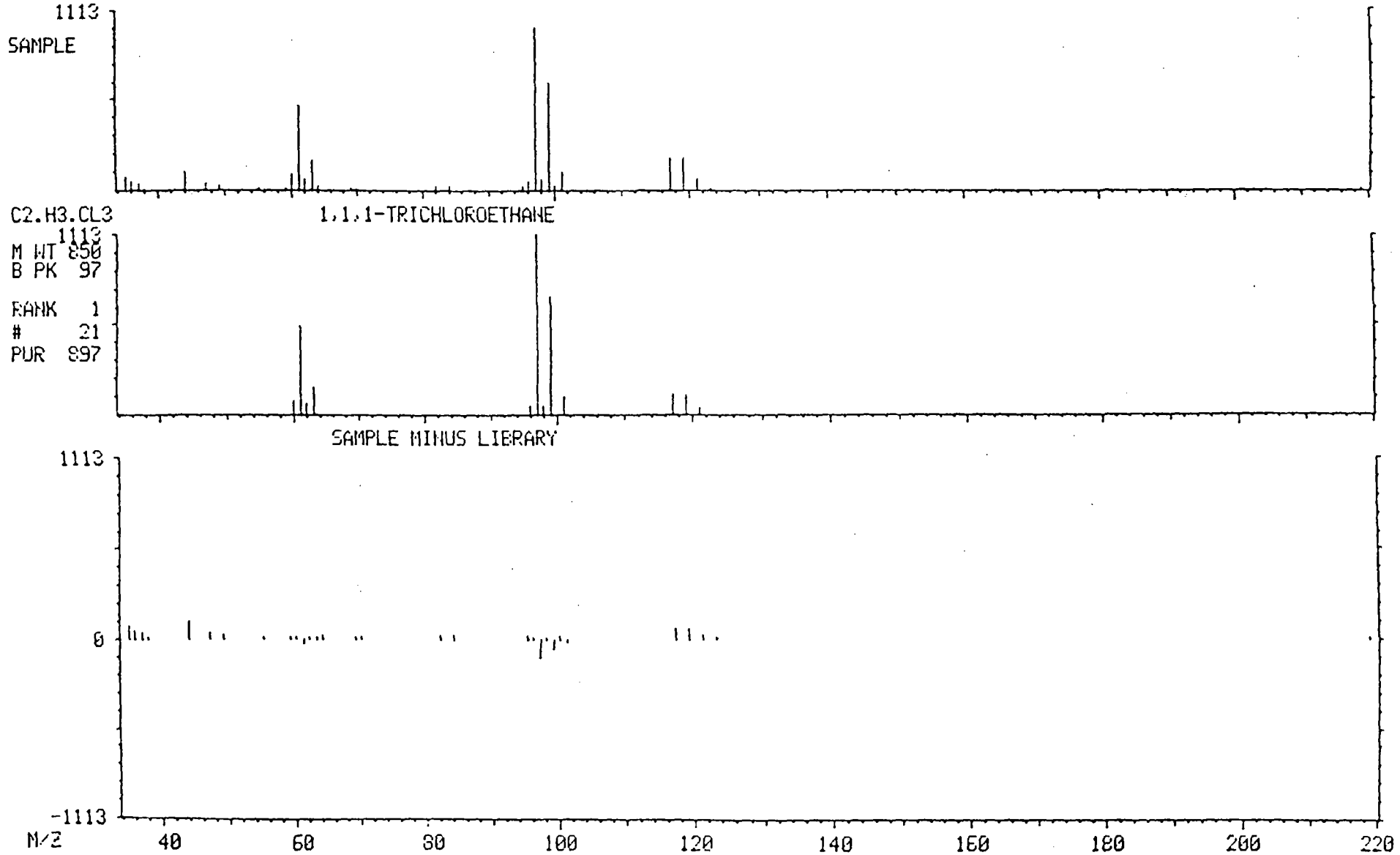
BASE M/Z: 61
RIC: 8528.



MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 14:02:00 + 8:51
SAMPLE: 8901JC13 (5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010428 # 177
CALI: V9010428 # 3

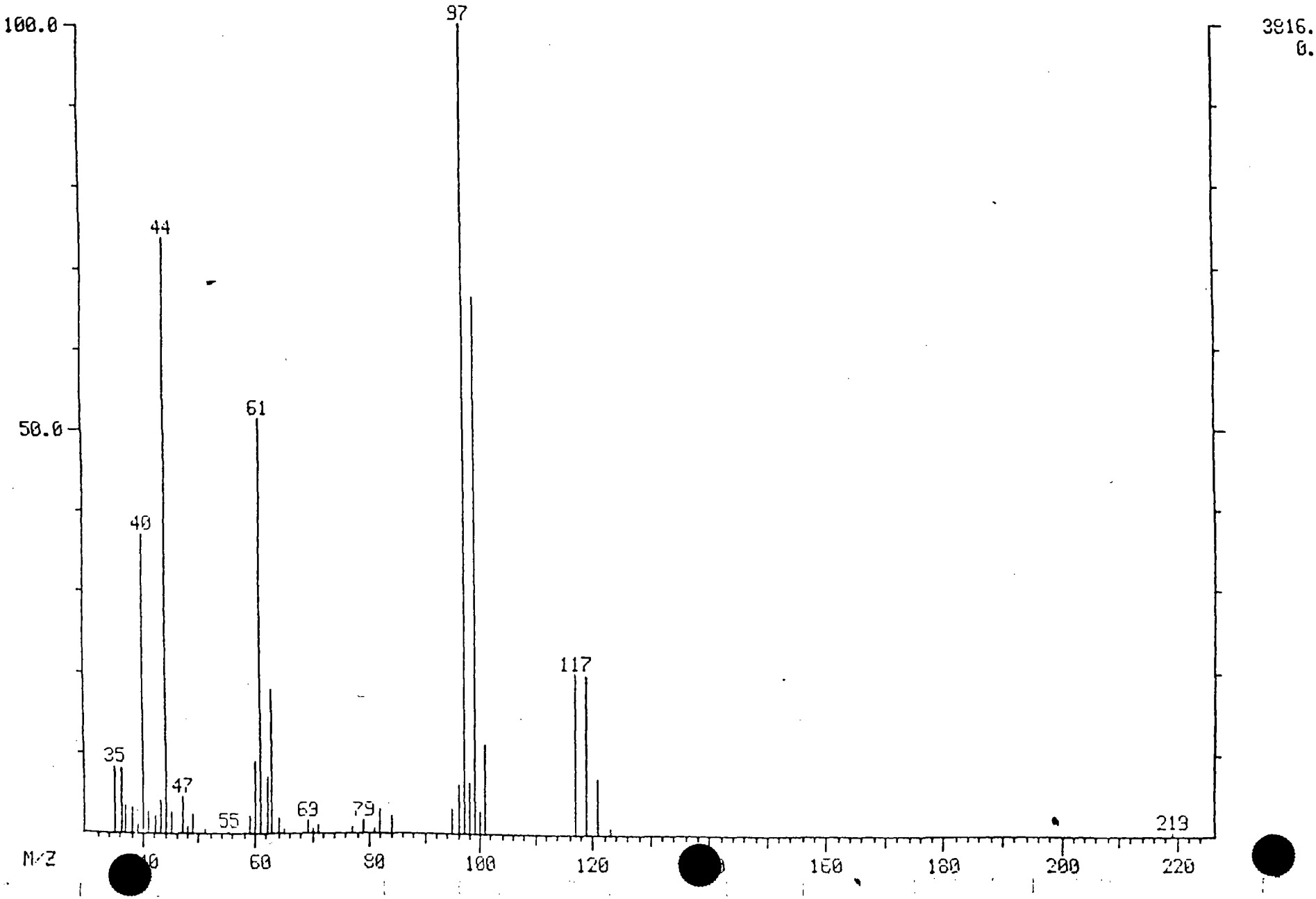
BASE M/Z: 97
RIC: 13776.



MASS SPECTRUM
01/17/89 14:02:00 + 8:51
SAMPLE: 8901JC13 (5ML)
CONDS.: GC DESC VO
TEMP: 132 DEG. C

DATA: V9010428 #177
CALI: V9010428 #3

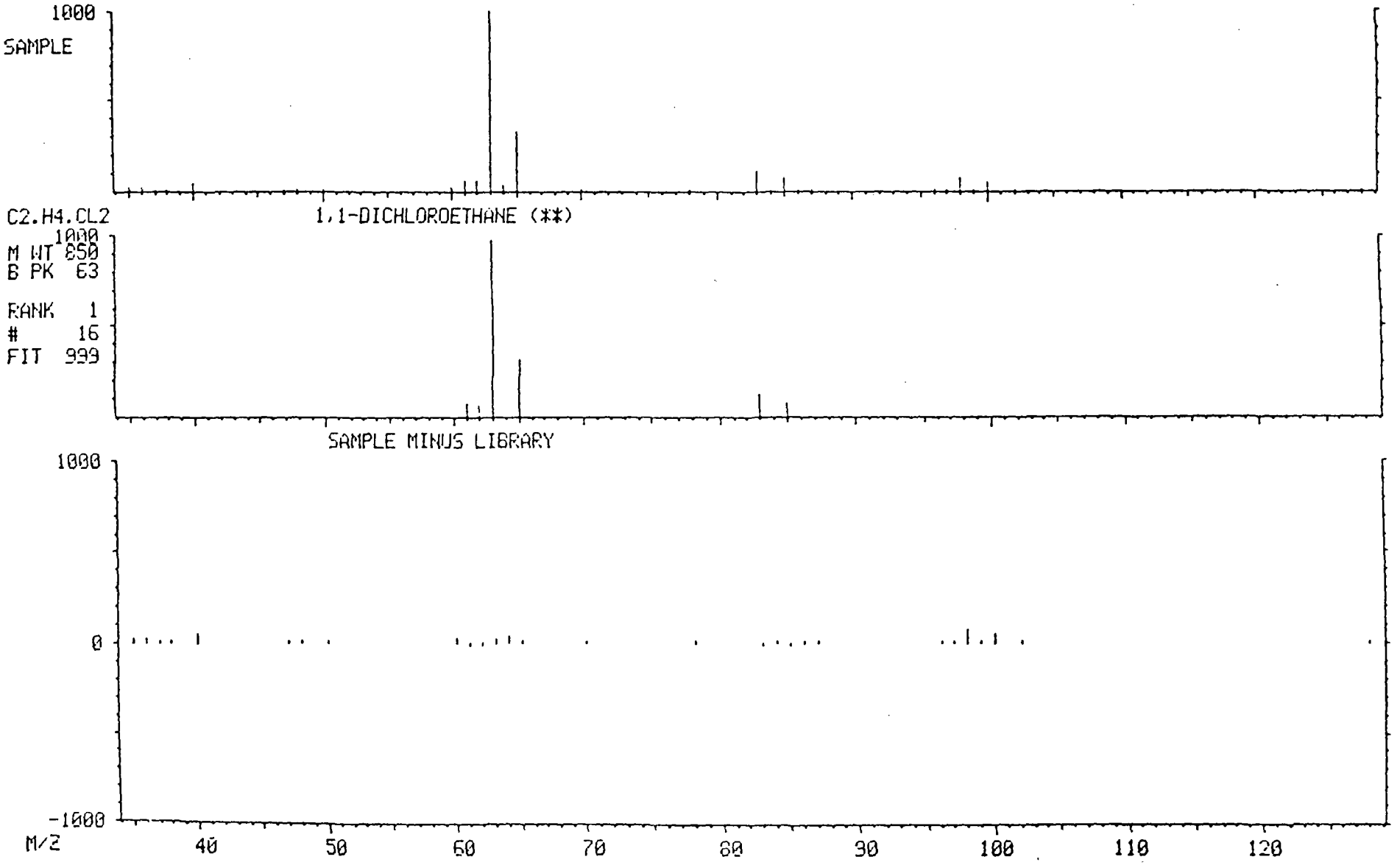
BASE M/Z: 97
RIC: 19008.



MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 14:02:00 + 6:21
SAMPLE: 8901JC13 (5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010428 # 127
CALI: V9010428 # 3

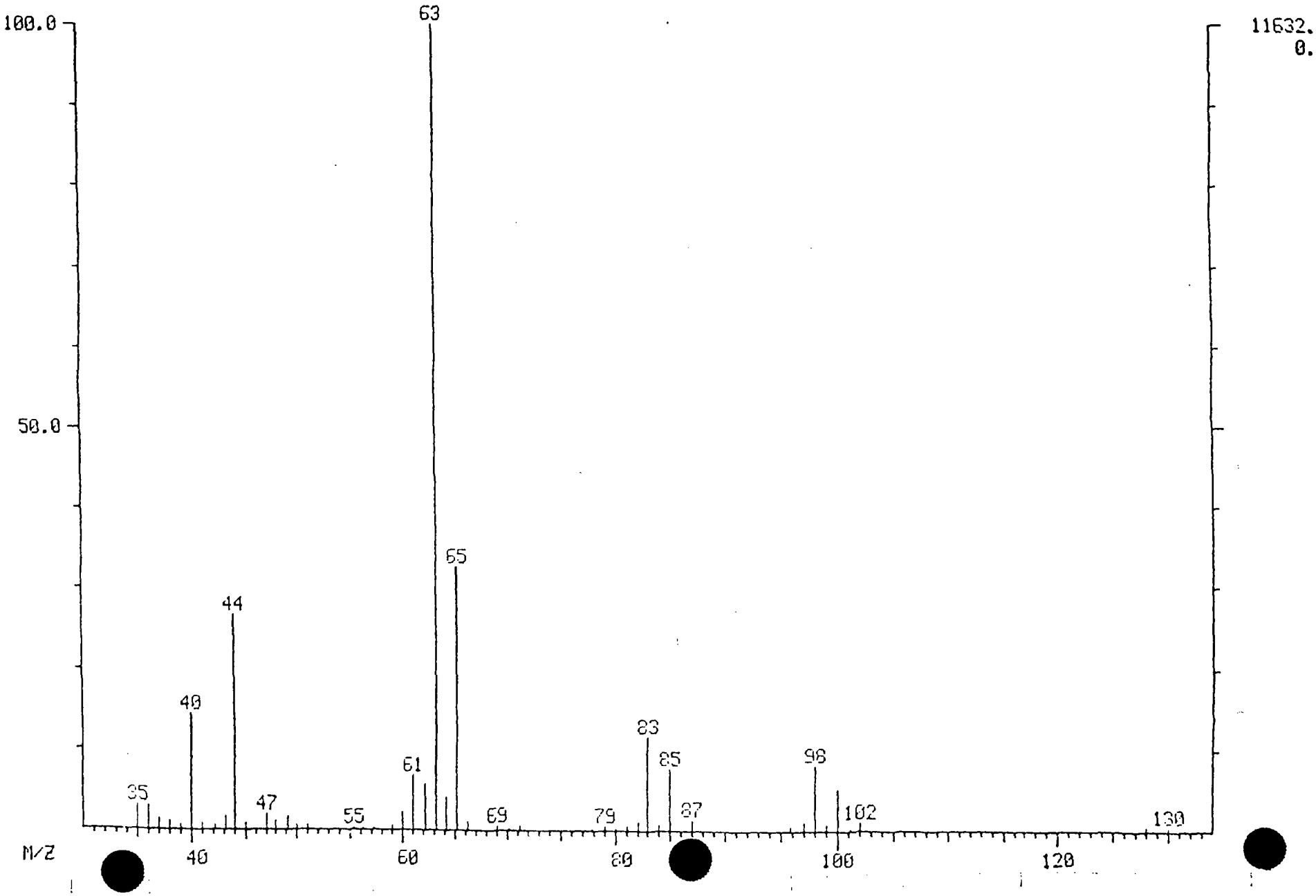
BASE M/Z: 63
RIC: 22944.



MASS SPECTRUM
01/17/89 14:02:00 + 6:21
SAMPLE: 8901JC13 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C

DATA: V9010423 #127
CALI: V9010428 #3

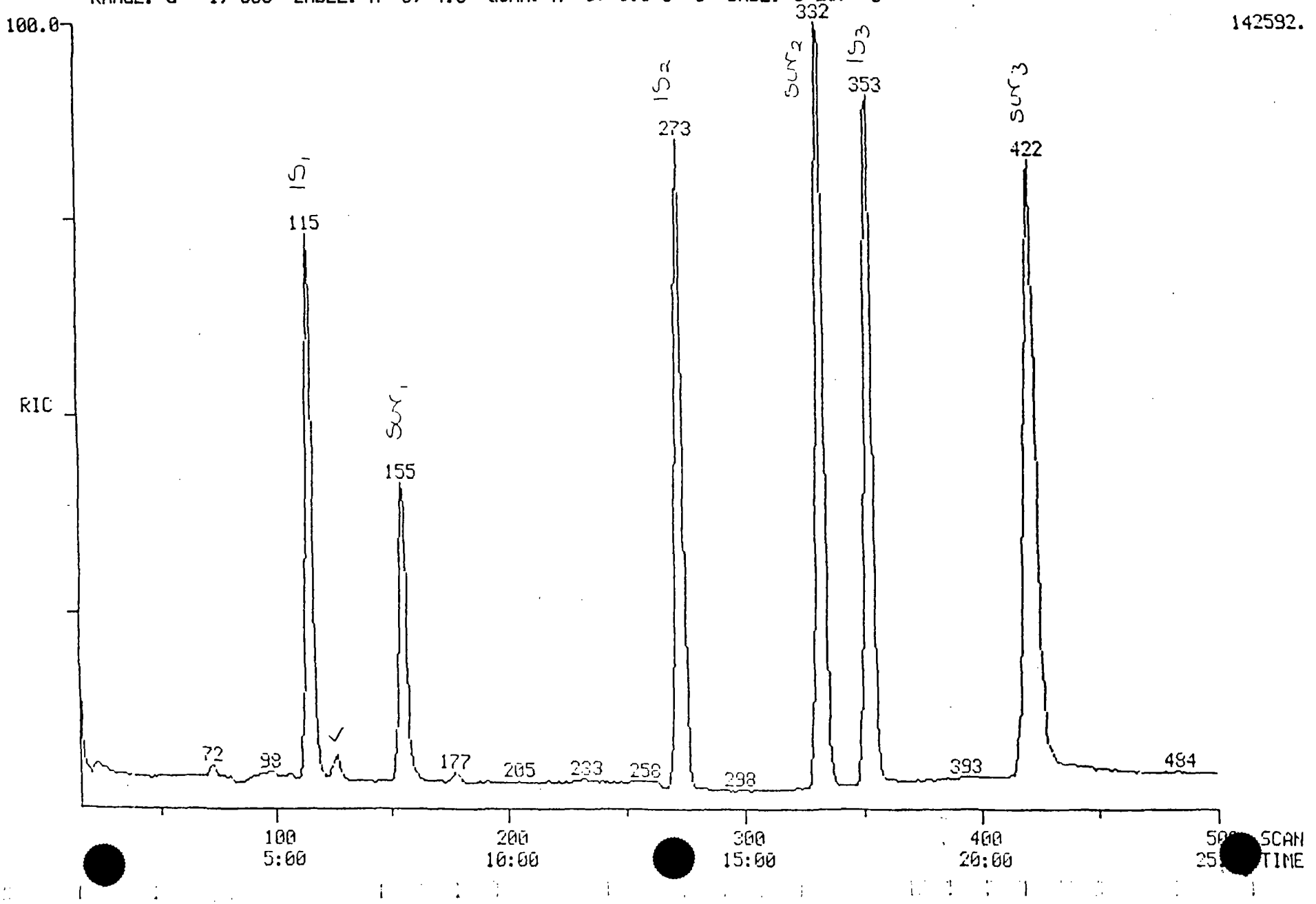
BASE M/Z: 63
RIC: 29824.



RIC
01/17/89 14:40:00
SAMPLE: 8901JC17 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010531 #1
CALI: V9010531 #3

SCANS 15 TO 500



PROCEDURE: TCA DIAGNOSTIC REPORT 1/17/89 15:09:38
DATA FILE: V9010531
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	57	VSTDS/VSURR
3	3	1	0	7	3	1	0	VSTDS/V1
3	3	1	0	11	9	6	50	VSTDS/V2
3	3	1	0	11	6	1	264	VSTDS/V3
3	3	1	0	11	4	1	61	VSTDS/V4
3	3	1	0	12	4	5	58	VSTDS/V5

43 COMPOUNDS PROCESSED, 17 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >						< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	994	.	128	115	.	1
2	VV	2	273	273	273	.	1	998	.	114	273	.	1
3	VV	3	353	353	353	.	1	993	.	117	352	-1	1
4	VV	4	156	156	155	-1	1	975	.	65	155	.	1
5	VV	5	333	333	332	-1	1	1000	.	98	332	.	1
6	VV	6	422	422	422	.	1	998	.	95	422	.	1
7	VV	7	22	22	.	.	.	.	.	50	22	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	73	72	-1	1	998	.	49	72	.	1
12	VV	12	77	77	77	.	3	997	.	43	77	.	1
13	VV	13	92	92	.	.	.	.	.	76	91	.	1
14	VV	14	99	99	98	-1	1	972	.	101	98	.	1
15	VV	15	107	107	107	.	1	961	.	61	107	.	1
16	VV	16	127	127	127	.	1	1000	.	63	127	.	1
17	VV	17	136	136	.	.	.	.	.	61	.	.	.
18	VV	18	147	147	146	-1	2	954	.	83	146	.	1
19	VV	19	157	156	.	.	.	.	.	62	155	.	1
20	VV	20	155	154	155	1	1	994	.	43	155	.	1
21	VV	21	178	177	177	.	1	988	.	61	177	.	.
22	VV	22	183	182	177	-5	1	860	.	117	177	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	.	.	.	.	.	130	.	.	.
28	VV	28	232	232	233	1	1	979	.	78	232	-1	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	.	.	.	.	.	43	284	.	2
35	VV	35	310	310	309	-1	5	879	.	43	.	.	.
36	VV	36	316	316	.	.	.	.	.	166	.	.	.
37	VV	37	316	316	.	.	.	.	.	83	.	.	.
38	VV	38	336	336	.	.	.	.	.	92	335	.	1
39	VV	39	354	354	.	.	.	.	.	112	.	.	.
40	VV	40	385	385	.	.	.	.	.	91	385	.	1
41	VV	41	441	440	.	.	.	.	.	104	440	.	1
42	VV	42	458	457	.	.	.	.	.	106	459	.	2
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010531

Data: V9010531.TI
01/17/89 14:40:00
Sample: 8901JC17 (5ML)
Cmnds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: SF Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1-DICHLOROETHANE (**)

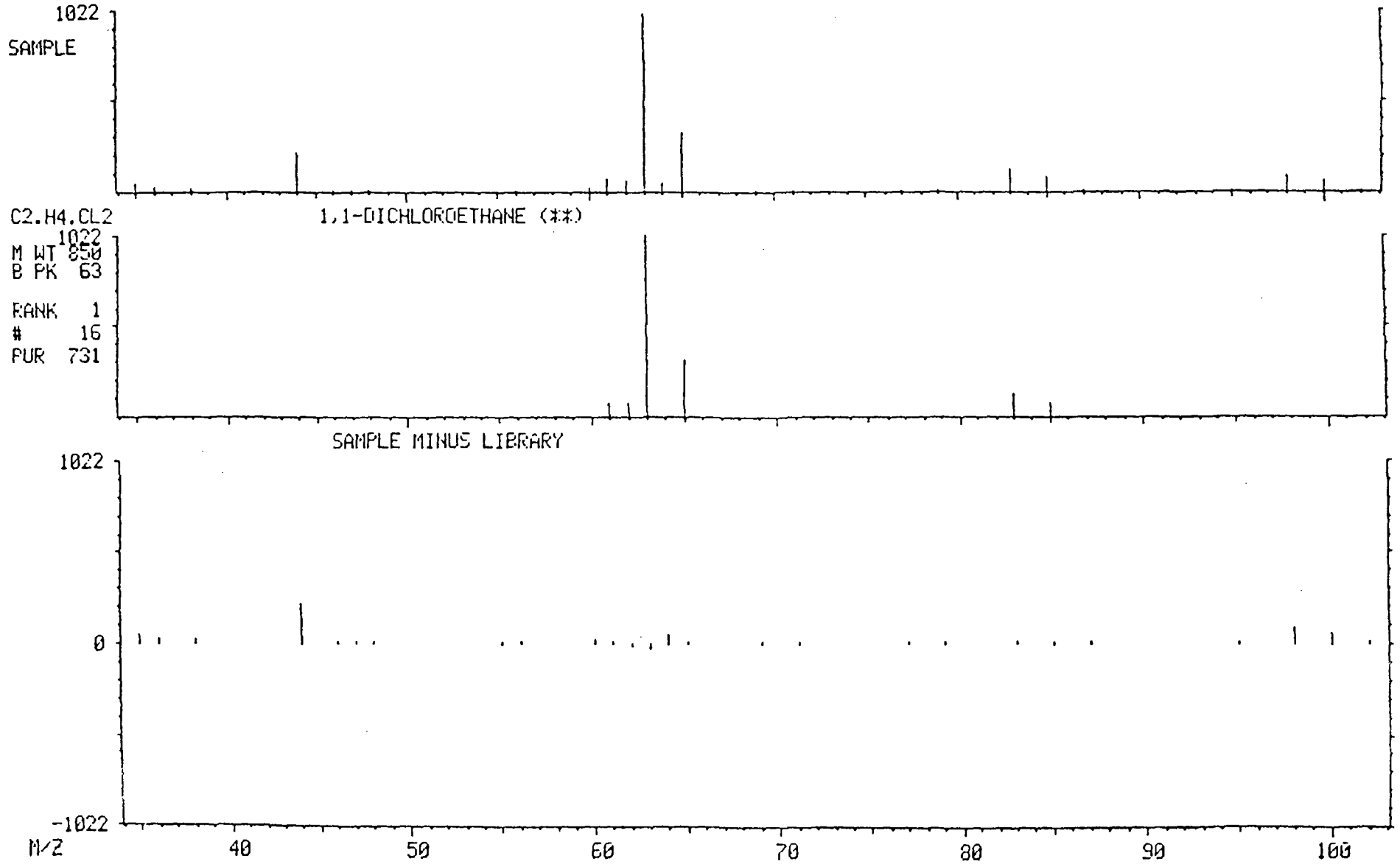
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	48573.	50.000	UG/L	10.93
2	114	273	13:39	2	1.000	A BB	181994.	50.000	UG/L	10.93
3	117	352	17:36	3	1.000	A BB	149518.	50.000	UG/L	10.93
4	65	155	7:45	1	1.348	A BB	50567.	96.271	%	21.04
5	98	332	16:36	3	0.943	A BB	200494.	104.049	%	22.74
6	95	422	21:06	3	1.199	A BB	142269.	104.555	%	22.85
7	63	127	6:21	1	1.104	A BB	6659.	2.774	UG/L	0.61

SR

MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 14:40:00 + 6:21
SAMPLE: 8901JC17 (5ML)
CONDS.: GC DESC VO
ENHANCED (S 15B 2N 0T)

DATA: V9010531 # 127
CALI: V9010531 # 3

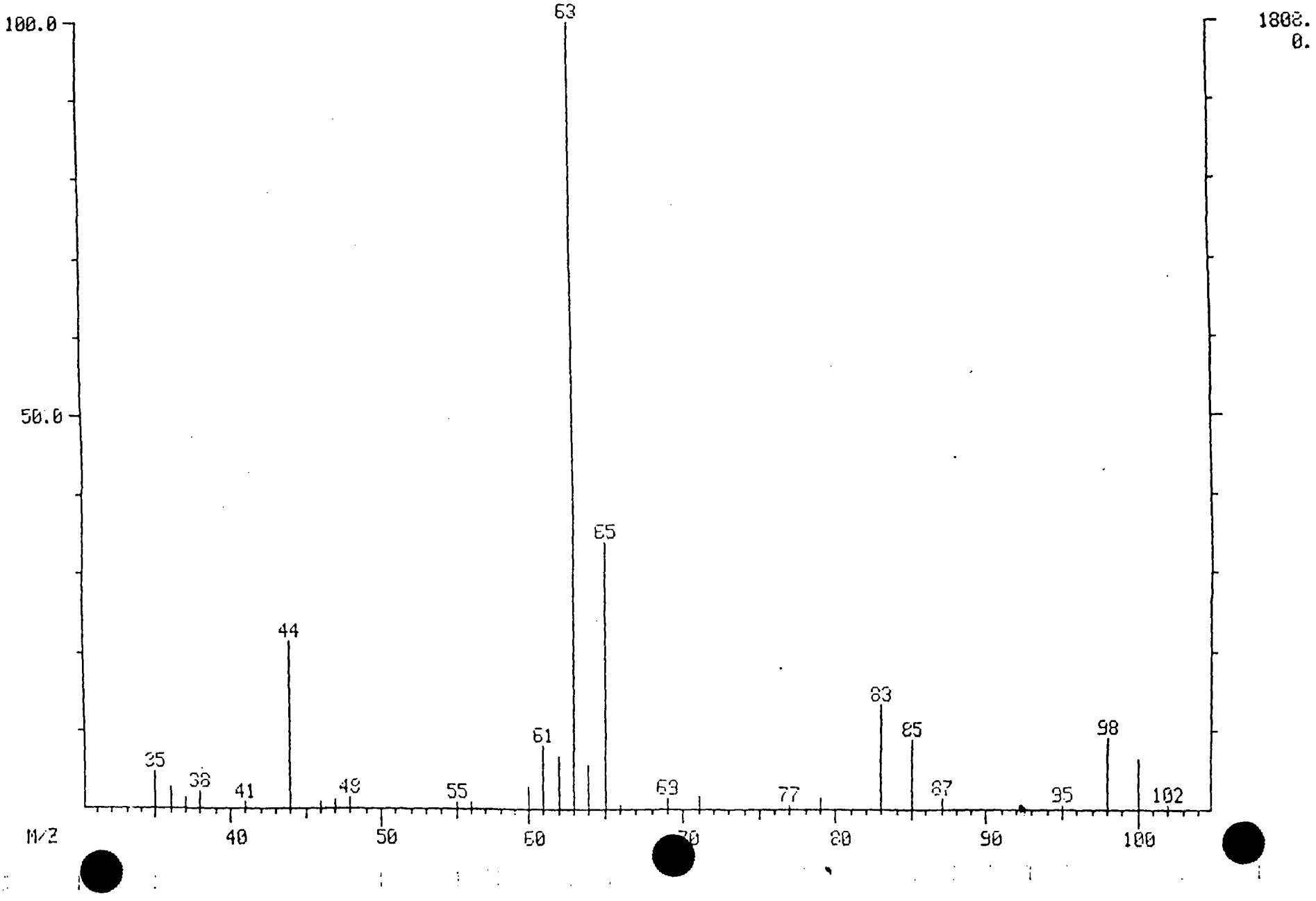
BASE M/Z: 63
RIC: 4304.



MASS SPECTRUM
01/17/89 14:40:00 + 6:21
SAMPLE: 8901JC17 (5ML)
CONDS.: GC DESC VO
TEMP: 107 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: V9010531 #127
CALI: V9010531 #3

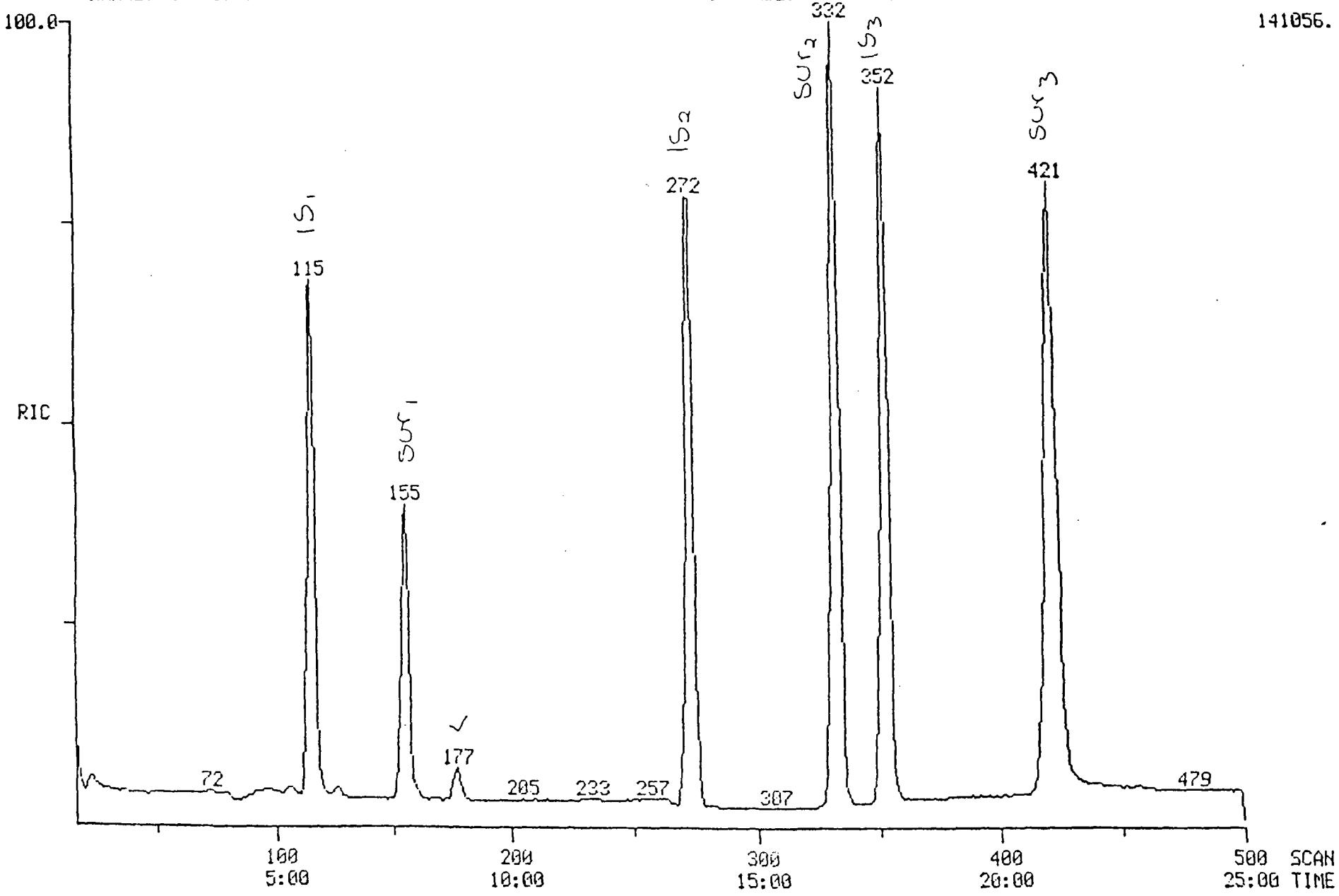
BASE M/Z: 63
RIC: 4352.



RIC
01/17/89 15:17:00
SAMPLE: 8901JC19 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010532 #1
CALI: V9010532 #3

SCANS 15 TO 500



PROCEDURE: TCA DIAGNOSTIC REPORT 1/17/89 15:47:37
DATA FILE: V9010532
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	27	6	6	1	34	VSTDS/VSURR
3	3	1	27	7	3	1	27	VSTDS/V1
3	3	1	27	11	9	1	53	VSTDS/V2
3	3	1	27	11	6	1	286	VSTDS/V3
3	3	1	27	11	3	1	27	VSTDS/V4
3	3	1	27	12	4	3	121	VSTDS/V5

43 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	989	.	128	114	-1	1
2	VV	2	273	272	272	.	1	1000	.	114	272	.	1
3	VV	3	353	352	352	.	1	990	.	117	352	.	1
4	VV	4	156	155	155	.	1	972	.	65	155	.	1
5	VV	5	333	332	332	.	1	995	.	98	332	.	1
6	VV	6	422	421	421	.	1	998	.	95	421	.	1
7	VV	7	22	22	.	.	.	.	.	50	23	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	72	72	.	1	964	.	49	72	.	1
12	VV	12	77	76	76	.	1	1000	.	43	76	.	1
13	VV	13	92	91	.	.	.	.	.	76	.	.	.
14	VV	14	99	98	97	-1	1	970	.	101	97	.	1
15	VV	15	107	106	106	.	1	993	.	61	106	.	1
16	VV	16	127	126	126	.	1	998	.	63	126	.	1
17	VV	17	136	135	.	.	.	.	.	61	.	.	.
18	VV	18	147	146	146	.	1	853	.	83	146	.	1
19	VV	19	157	155	.	.	.	.	.	62	156	.	1
20	VV	20	155	153	154	1	1	996	.	43	154	.	1
21	VV	21	178	176	177	1	1	993	.	61	177	.	1
22	VV	22	183	181	176	-5	1	992	.	117	177	1	1
23	VV	23	184	182	.	.	.	.	.	43	.	.	.
24	VV	24	192	190	.	.	.	.	.	83	.	.	.
25	VV	25	213	211	.	.	.	.	.	63	.	.	.
26	VV	26	217	215	.	.	.	.	.	75	.	.	.
27	VV	27	225	224	.	.	.	.	.	130	.	.	.
28	VV	28	232	231	.	.	.	.	.	78	232	.	1
29	VV	29	237	236	.	.	.	.	.	129	.	.	.
30	VV	30	237	236	.	.	.	.	.	75	.	.	.
31	VV	31	238	237	.	.	.	.	.	83	.	.	.
32	VV	32	254	253	.	.	.	.	.	63	.	.	.
33	VV	33	280	279	.	.	.	.	.	173	.	.	.
34	VV	34	286	285	.	.	.	.	.	43	284	.	1
35	VV	35	310	308	307	-1	3	886	.	43	307	.	2
36	VV	36	316	314	.	.	.	.	.	166	.	.	.
37	VV	37	316	314	.	.	.	.	.	83	.	.	.
38	VV	38	336	334	.	.	.	.	.	92	335	.	1
39	VV	39	354	352	.	.	.	.	.	112	.	.	.
40	VV	40	385	383	.	.	.	.	.	91	384	.	1
41	VV	41	441	438	.	.	.	.	.	104	.	.	.
42	VV	42	458	455	.	.	.	.	.	106	.	.	.
43	VV	43	-254	253	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010532

Data: V9010532.TI
01/17/89 15:17:00
Sample: 8901JC19 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: SF Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

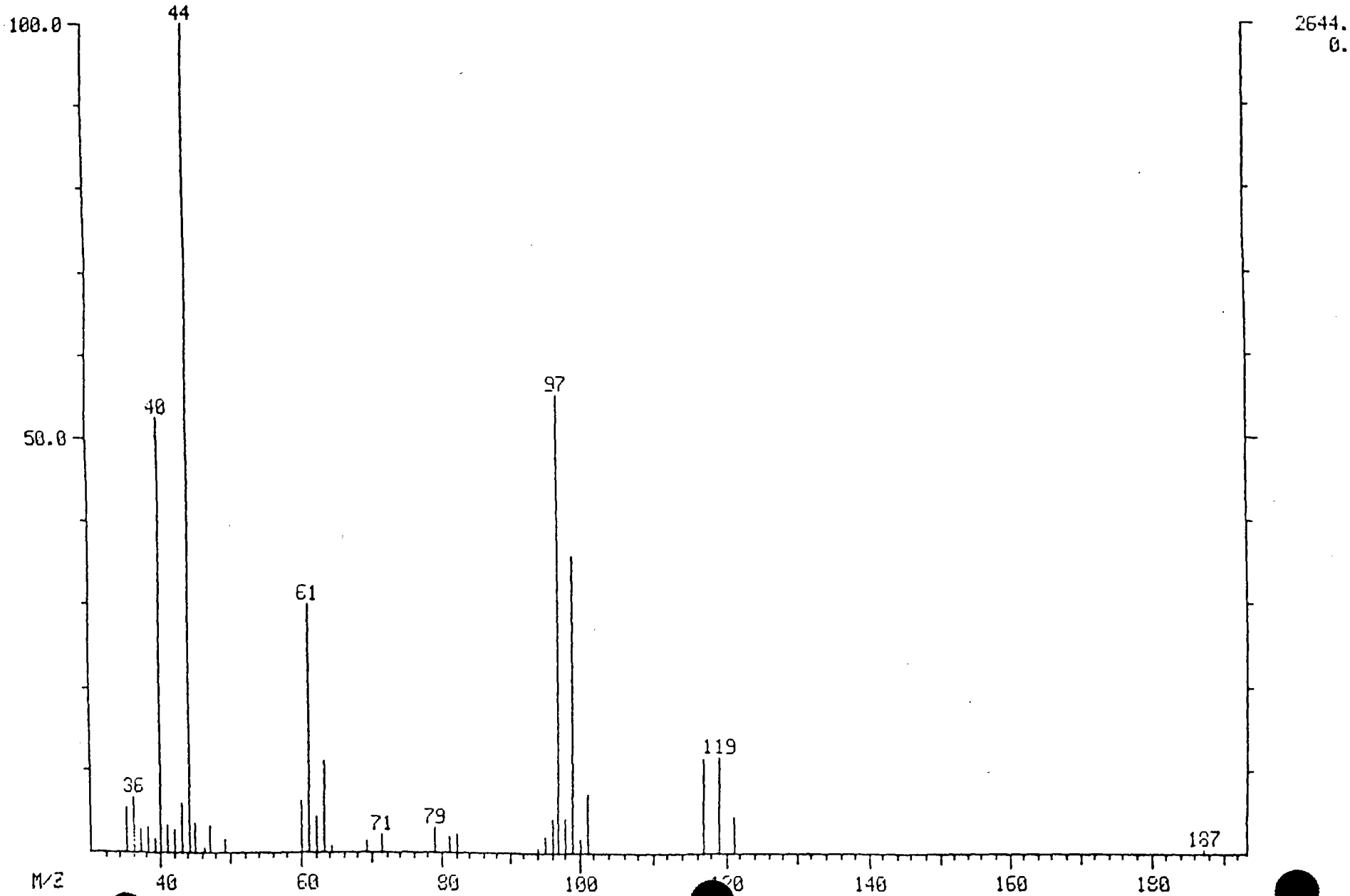
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	1,1,1-TRICHLOROETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	114	5:42	1	1.000	A BV	46517.	50.000	UG/L	11.00
2	114	272	13:36	2	1.000	A BB	173394.	50.000	UG/L	11.00
3	117	352	17:36	3	1.000	A BB	145046.	50.000	UG/L	11.00
4	65	155	7:45	1	1.360	A BB	48022.	95.468	%	21.00
5	98	332	16:36	3	0.943	A BB	192722.	103.100	%	22.68
6	95	421	21:03	3	1.196	A BB	134686.	102.034	%	22.45
7	61	177	8:51	2	0.651	A BB	3028.	3.968	UG/L	0.87

MASS SPECTRUM
01/17/89 15:17:00 + 8:51
SAMPLE: 8901JC19 (5ML)
CONDS.: GC DESC VO
TEMP: 132 DEG. C

DATA: V9010532 #177
CALI: V9010532 #3

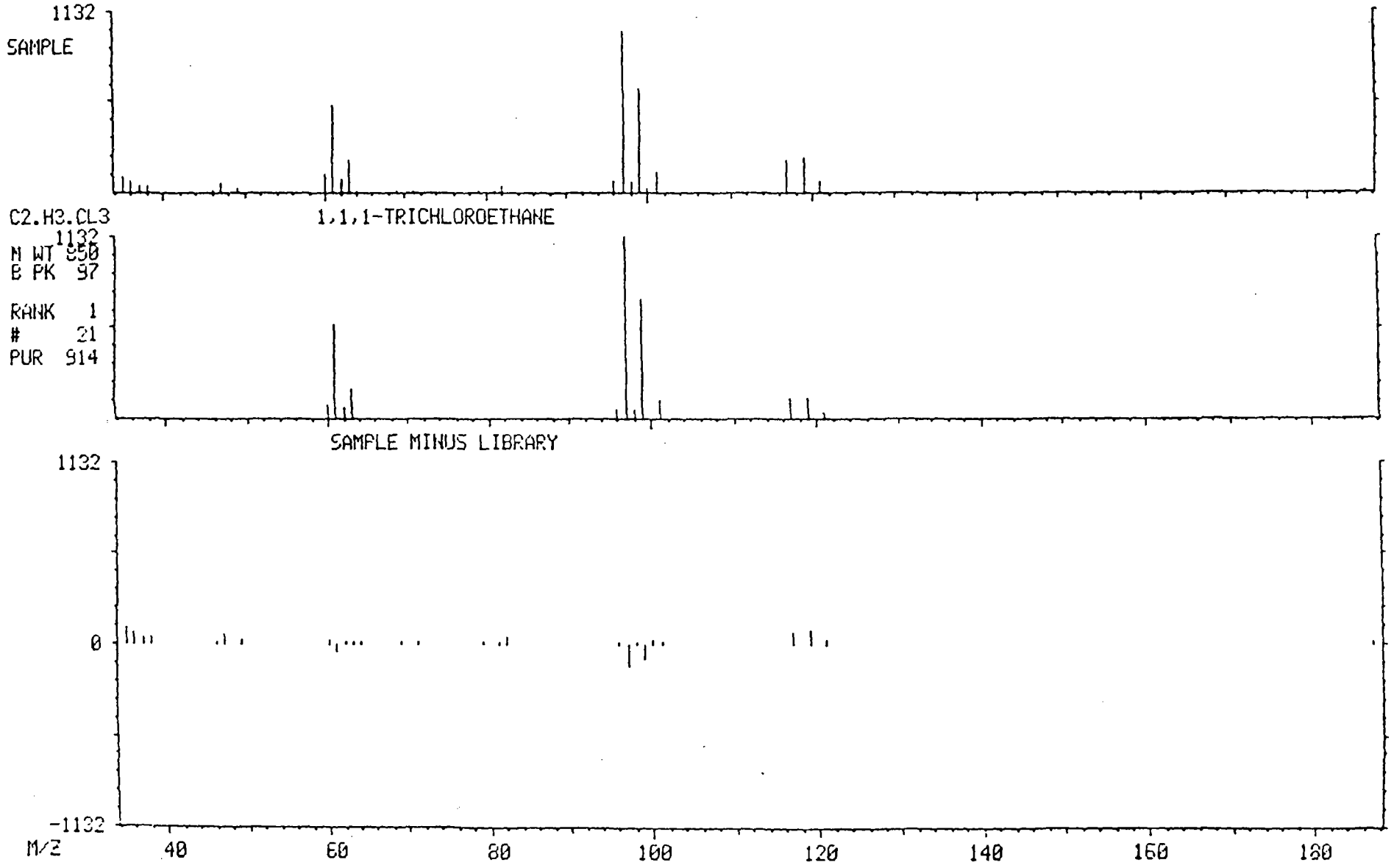
BASE M/Z: 44
RIC: 10416.



MID LIBRARY SEARCH (LIBRARYVV)
01/17/89 15:17:00 + 8:51
SAMPLE: 8901JC19 (5ML)
CONDS.: GC DESC VO
177 - # 183 TO # 191 - # 160 TO # 171

DATA: V9010532 # 177
CALI: V9010532 # 3

BASE M/Z: 97
RIC: 5576.

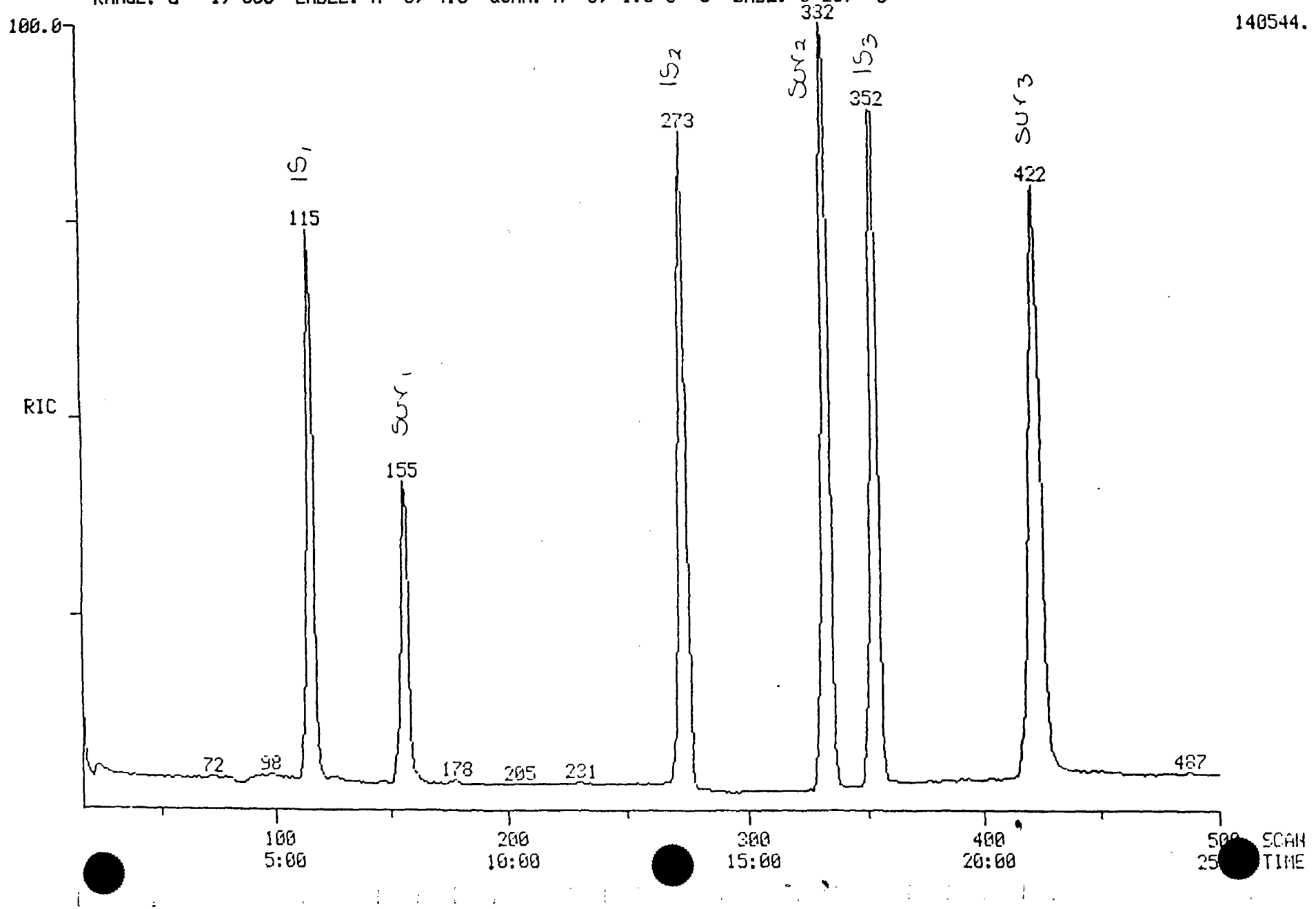


RIC
01/17/89 15:55:00
SAMPLE: 8901JC20 (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010533 #1
CALI: V9010533 #3

SCANS 15 TO 500

140544.



PROCEDURE: TCA
DATA FILE: V9010533
REFERENCE: TAB11
NAME LIST: VMASTER
REPORT: VSTDS

DIAGNOSTIC REPORT

1/17/89 16:35:43

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	61	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	8	1	80	VSTDS/V2
3	3	1	53	11	5	1	62	VSTDS/V3
3	3	1	53	11	4	1	204	VSTDS/V4
3	3	1	53	12	4	1	1018	VSTDS/V5

43 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >	< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	991	.	128	115	.	1
2	VV	2	273	273	273	.	1	998	.	114	273	.	1
3	VV	3	353	352	352	.	1	992	.	117	352	.	1
4	VV	4	156	156	155	-1	1	972	.	65	155	.	1
5	VV	5	333	332	332	.	1	1000	.	98	332	.	1
6	VV	6	422	421	422	1	1	997	.	95	422	.	1
7	VV	7	22	22	.	.	.	.	.	50	.	.	.
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	73	72	-1	1	955	.	49	72	.	1
12	VV	12	77	77	78	1	1	997	.	43	78	.	1
13	VV	13	92	92	.	.	.	.	.	76	.	.	.
14	VV	14	99	99	98	-1	1	900	.	101	98	.	1
15	VV	15	107	107	.	.	.	.	.	61	107	.	1
16	VV	16	127	127	126	-1	1	905	.	63	127	1	1
17	VV	17	136	136	.	.	.	.	.	61	.	.	.
18	VV	18	147	147	146	-1	1	949	.	83	146	.	1
19	VV	19	157	156	.	.	.	.	.	62	156	.	1
20	VV	20	155	154	154	.	1	993	.	43	155	1	1
21	VV	21	178	177	177	.	1	910	.	61	177	.	1
22	VV	22	183	182	.	.	.	.	.	117	.	.	.
23	VV	23	184	183	.	.	.	.	.	43	.	.	.
24	VV	24	192	191	.	.	.	.	.	83	.	.	.
25	VV	25	213	212	.	.	.	.	.	63	.	.	.
26	VV	26	217	216	.	.	.	.	.	75	.	.	.
27	VV	27	225	226	.	.	.	.	.	130	.	.	.
28	VV	28	232	233	235	2	1	867	.	78	233	-2	1
29	VV	29	237	238	.	.	.	.	.	129	.	.	.
30	VV	30	237	238	.	.	.	.	.	75	.	.	.
31	VV	31	238	239	.	.	.	.	.	83	.	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	.	.	.	.	.	43	.	.	.
35	VV	35	310	304	292	-12	1	858	.	43	292	.	1
36	VV	36	316	310	.	.	.	.	.	166	.	.	.
37	VV	37	316	310	.	.	.	.	.	83	.	.	.
38	VV	38	336	329	.	.	.	.	.	92	.	.	.
39	VV	39	354	347	.	.	.	.	.	112	.	.	.
40	VV	40	385	377	.	.	.	.	.	91	377	.	1
41	VV	41	441	431	.	.	.	.	.	104	.	.	.
42	VV	42	458	448	.	.	.	.	.	106	.	.	.
43	VV	43	-254	250	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010533

Data: V9010533.TI
01/17/89 15:55:00
Sample: 8901JC20 (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: HARDING Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	115	5:45	1	1.000	A BB	48419.	50.000 UG/L	11.14
2	114	273	13:39	2	1.000	A BB	181674.	50.000 UG/L	11.14
3	117	352	17:36	3	1.000	A BB	147773.	50.000 UG/L	11.14
4	65	155	7:45	1	1.348	A BV	49498.	94.536 %	21.06
5	98	332	16:36	3	0.943	A BB	195640.	102.729 %	22.89
6	95	422	21:06	3	1.199	A BB	136650.	101.611 %	22.64

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

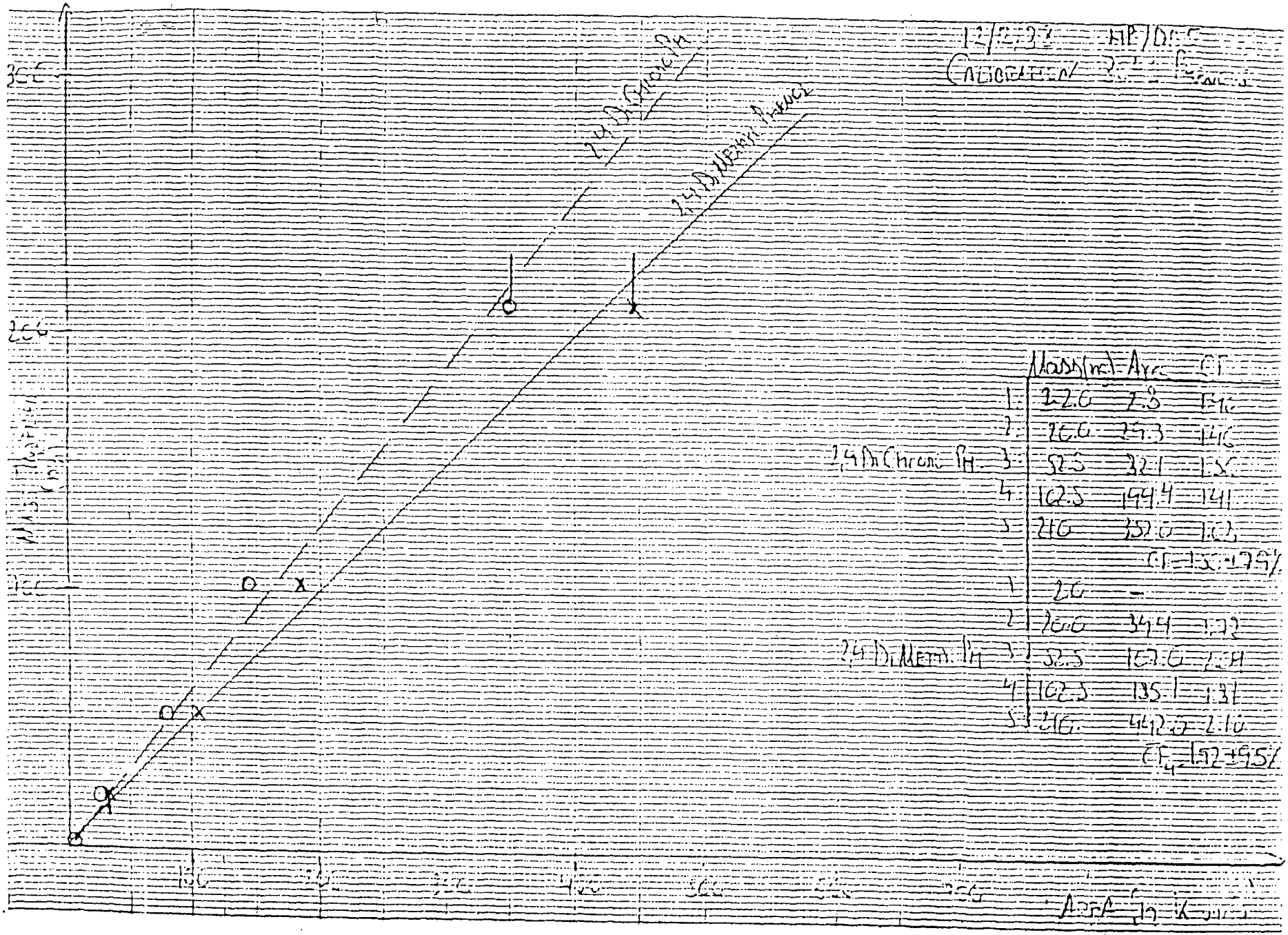
Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Q.C. Sample Dates
P.O.Box 578	Method (units):	EPA 8040 (ug/L)	
Novato, CA 94948	Analyst:	B. Bjorkman	Extracted: 1/12/89
Attention: Bob Breynaert	QC Sample #:	DI Water	Analyzed: 1/13/89
	QC Sample Group:	9010419-9010533	Reported: 1/19/89

QUALITY CONTROL DATA REPORT

Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	% Recovery	Conc. Matrix Spike Duplicate	% Recovery	Relative % Deviation
Phenol	N.D.	50	13	26	16	33	12
2,4, Dimethyl-phenol	N.D.	50	38	64	48	96	11
2,4,6 Trichloro-phenol	N.D.	50	33	67	41	83	9.5

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

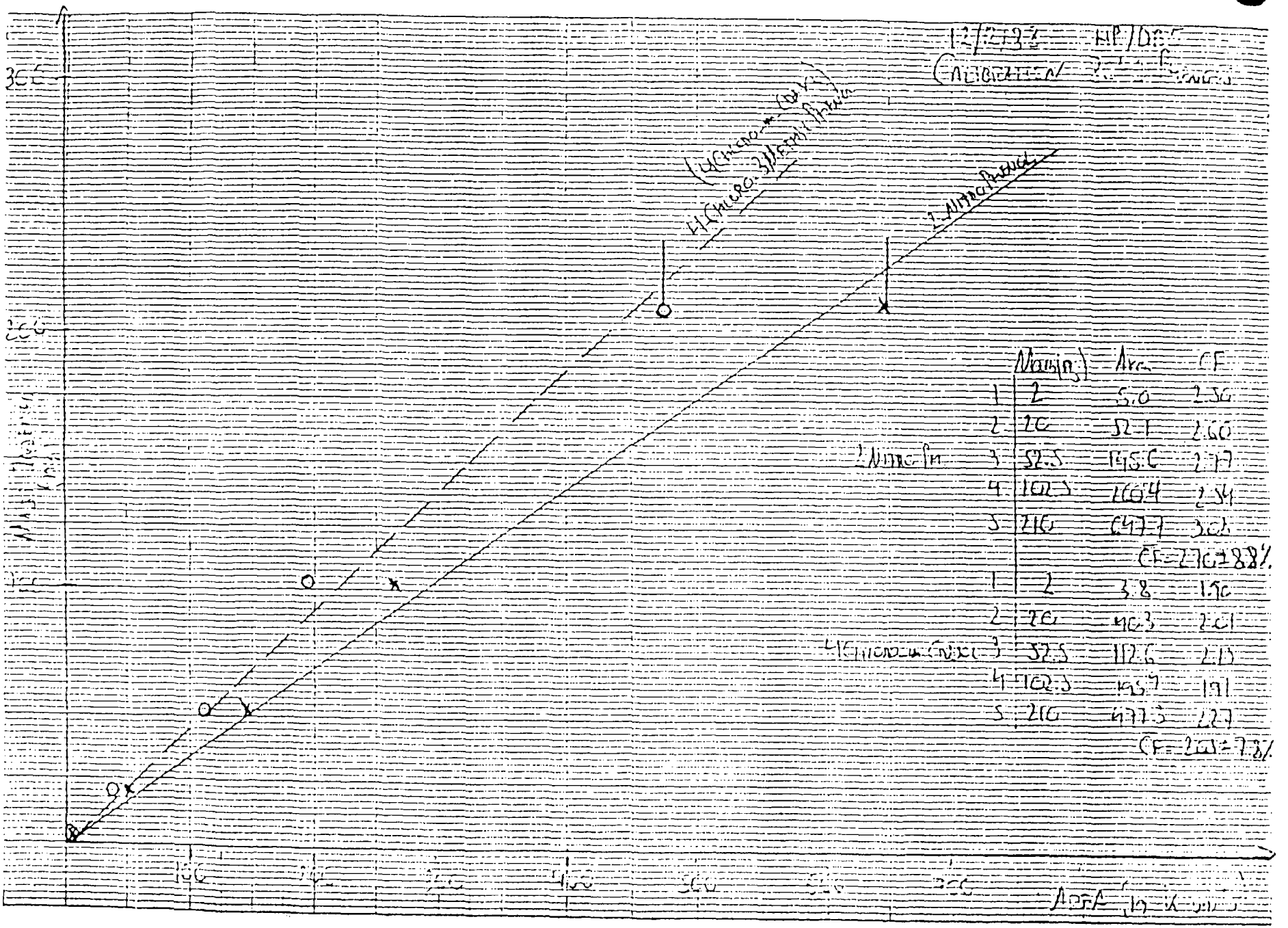


		Mass (ng)	Area	CF
	1	22.0	7.8	[illegible]
	2	26.0	29.3	1.46
2,4 DiChloro Ph	3	52.5	32.1	1.X
	4	102.5	199.4	1.41
	5	210	352.0	1.03
			CF_{avg} = 1.X ± 29%	
	1	26	–	
	2	26.0	34.4	1.22
2,4 DiMethyl Ph	3	52.5	102.6	[illegible]
	4	102.5	135.1	1.31
	5	210.	442.7	2.10
			CF_{avg} = 1.52 ± 95%	

4

Pyridine CF4 BC4C

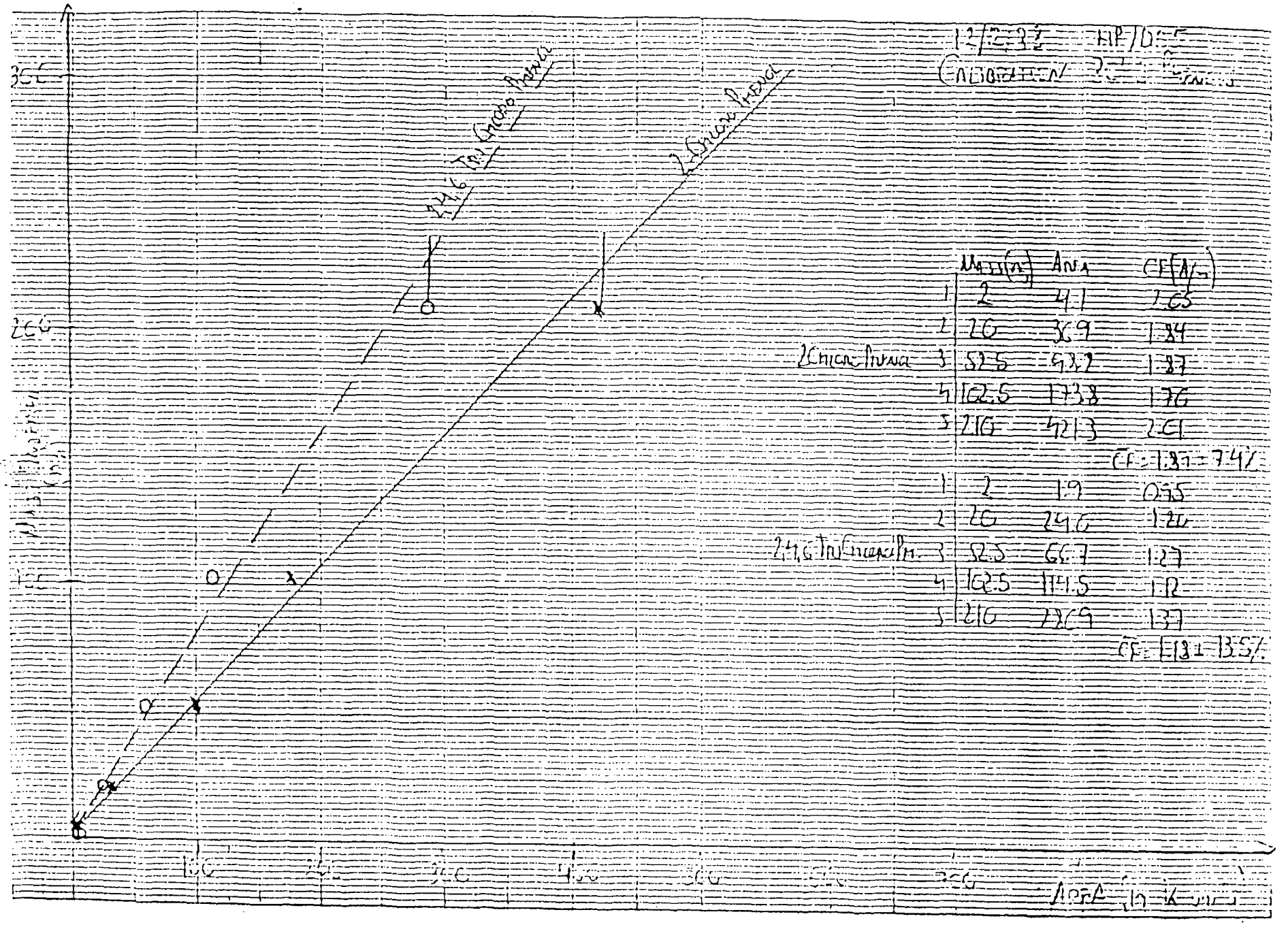
20 Squares to the Inch



	Nitrofurantoin	Area	CF
1	2	5.0	2.56
2	20	52.1	2.60
3	52.5	145.6	2.77
4	102.5	260.4	2.54
5	210	647.7	3.08
		CF = 2.70 ± 8.8%	
1	2	3.8	1.90
2	20	40.3	2.01
3	52.5	112.6	2.15
4	102.5	195.7	1.91
5	210	477.5	2.27
		CF = 2.03 ± 7.3%	

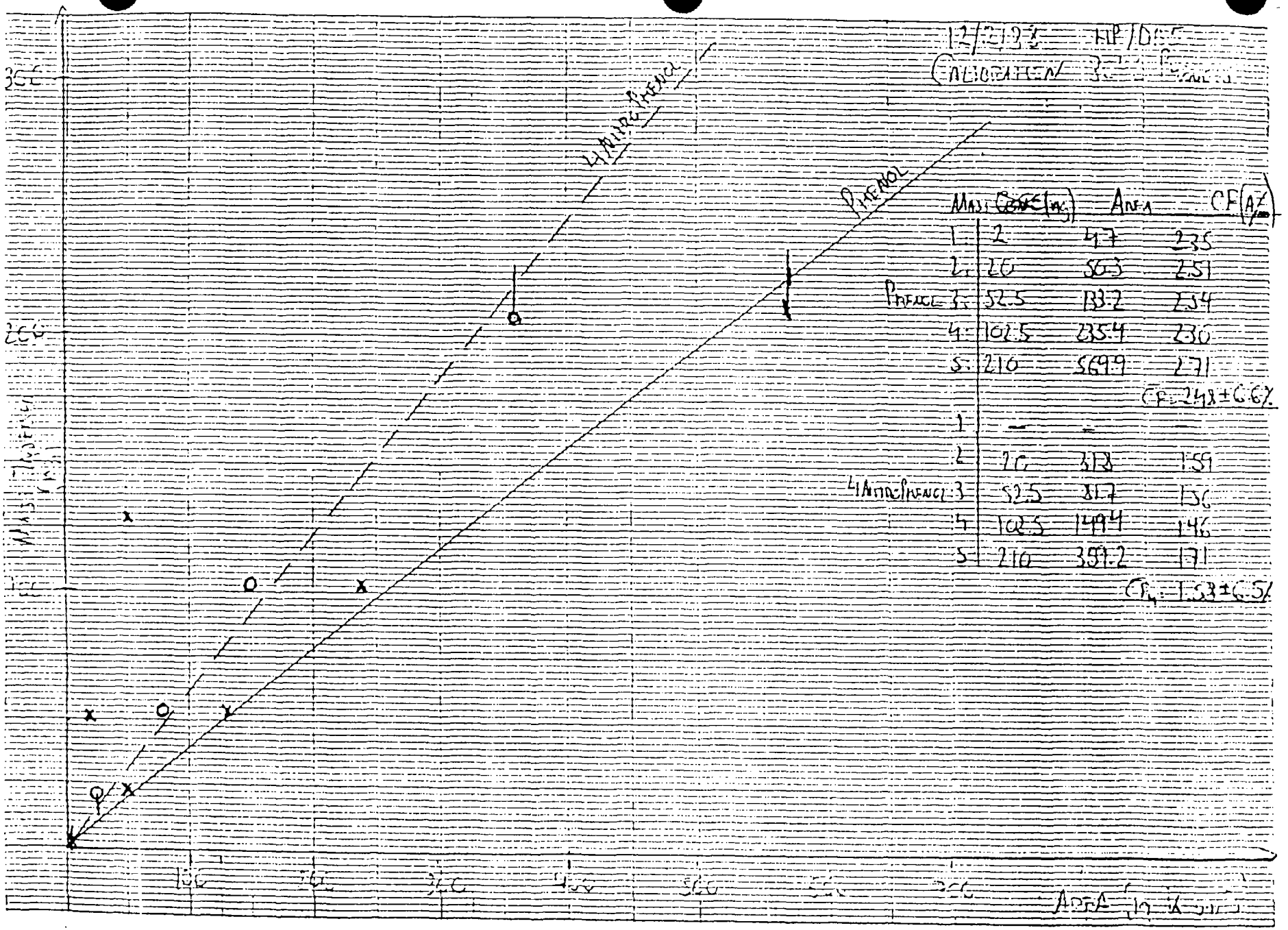
12/2/83 HP/DSS

Calibration [illegible]



		Mass (mg)	Area	CF (A/m)
	1	2	4.1	2.05
	2	20	36.9	1.84
2 Chloro Phenol	3	52.5	98.2	1.87
	4	102.5	173.8	1.76
	5	210	421.3	2.01
				CF = 1.87 ± 7.4%
	1	2	1.9	0.95
	2	20	24.6	1.20
2,4,6 Tri Chloro Ph.	3	52.5	66.7	1.27
	4	102.5	114.5	1.12
	5	210	286.9	1.37
				CF = 1.18 ± 13.5%

20 Squares to the Inch



	Mass Conc (ng)	Area	CF (A/M)
1	2	47	235
2	20	503	251
Phenol 3	52.5	1332	254
4	102.5	2354	230
5	210	5699	271
			CF = 248 ± 6.6%
1	—	—	—
2	20	318	159
4-Nitrophenol 3	52.5	817	156
4	102.5	1494	146
5	210	3592	171
			CF = 158 ± 6.5%

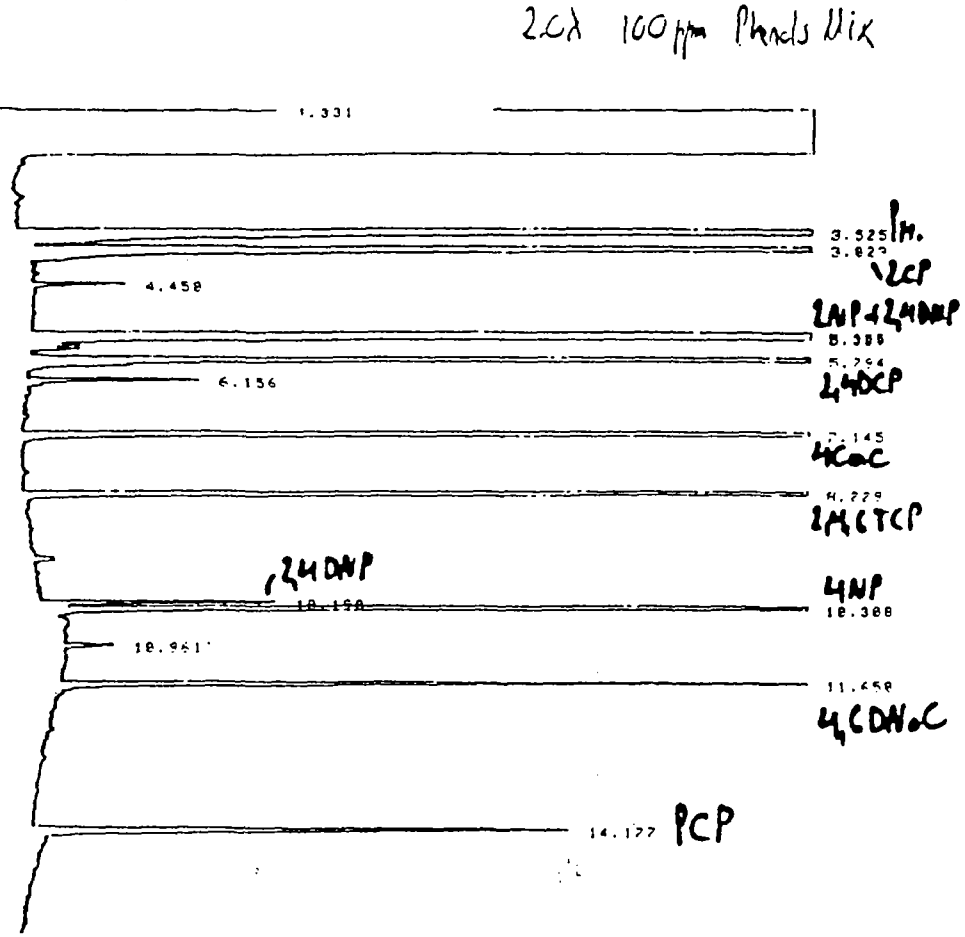
20 Squares to the Inch

1/13 Run

20λ 100ppm Phenols Mix

* RUN # 352 JAN 13, 1989 07:05:35

START



STOP

Closing signal file MISIGNAL .ENC

RUN# 352 JAN 13, 1989 07:05:35

SIGNAL FILE: MISIGNAL.ENC

PHENOL RUN AREA %

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	I	NAME
3.525	PB	518967	.044	192746	1R	286.022	PHENOL
3.829	PB	383233	.046	137586	2	282.769	2-CHLORO P.
4.458	PV	4922	.045	1834		.000	
5.355	BV	632721	.041	250000	3	234.360	2-NITRO P.
5.389	VV	381559	.035	180957	4	198.716	2.4 DIMETHYL P.
5.794	VV	336569	.042	134645	5	224.391	2.4 DICHLORO P.
6.156	PV	9485	.047	3363		.000	
7.145	PB	463852	.039	196790	6	225.077	4-CHLORO M-CR.
8.229	BB	285456	.042	113896	7	241.924	2.4.6 TRICHLORO
10.158	PV	11195	.043	4374	8	22.398	2.4 DINITRO P.
10.388	VB	182117	.048	75161	9	115.262	4 NITRO P.
10.961	PV	3468	.057	1086		.000	
11.658	PB	46581	.049	15804	10	49.553	4.6 DINITRO CR.
14.177	BV	44435	.072	10302	11	126.955	PENTA CHLORO P.

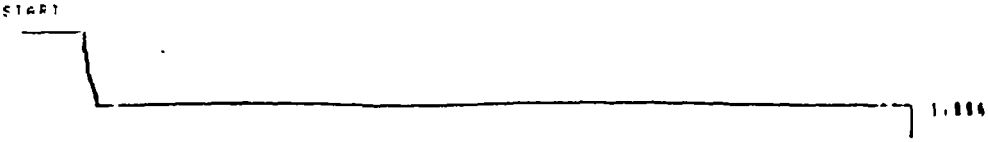
20λ 10ppm Phenols

TOTAL AREA=3295660

MUL FACTOR=1.0000E+00

* RUN # 353 JAN 13, 1989 07:26:01

START

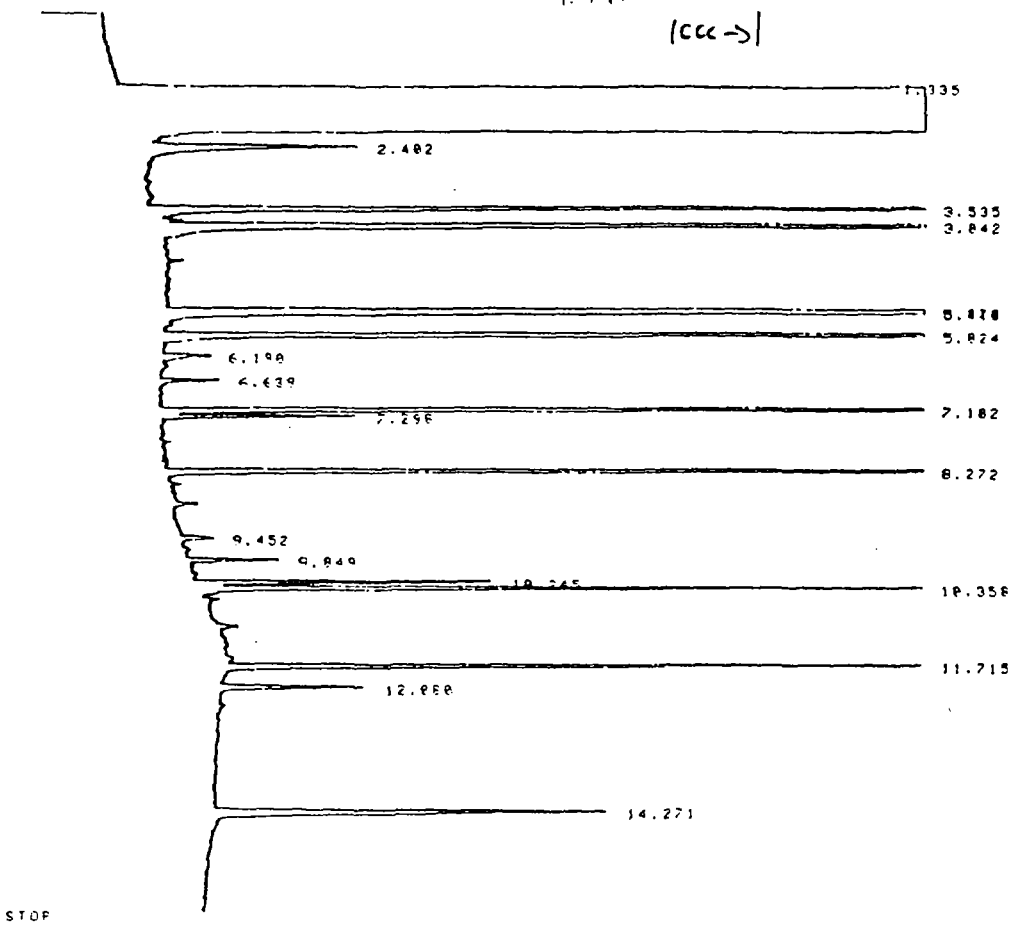


TOTAL AREA=1.3225E+09
MUL FACTOR=1.0000E+00

* RUN # 354 JAN 13, 1989 07:48:33

START

1.9λ matrix spike 1
1ccc->1



STOP

Closing signal file M:SIGNAL .BNC

RUN# 354 JAN 13, 1989 07:48:33

SIGNAL FILE: M:SIGNAL.BNC

PHENOL RUN AREA %

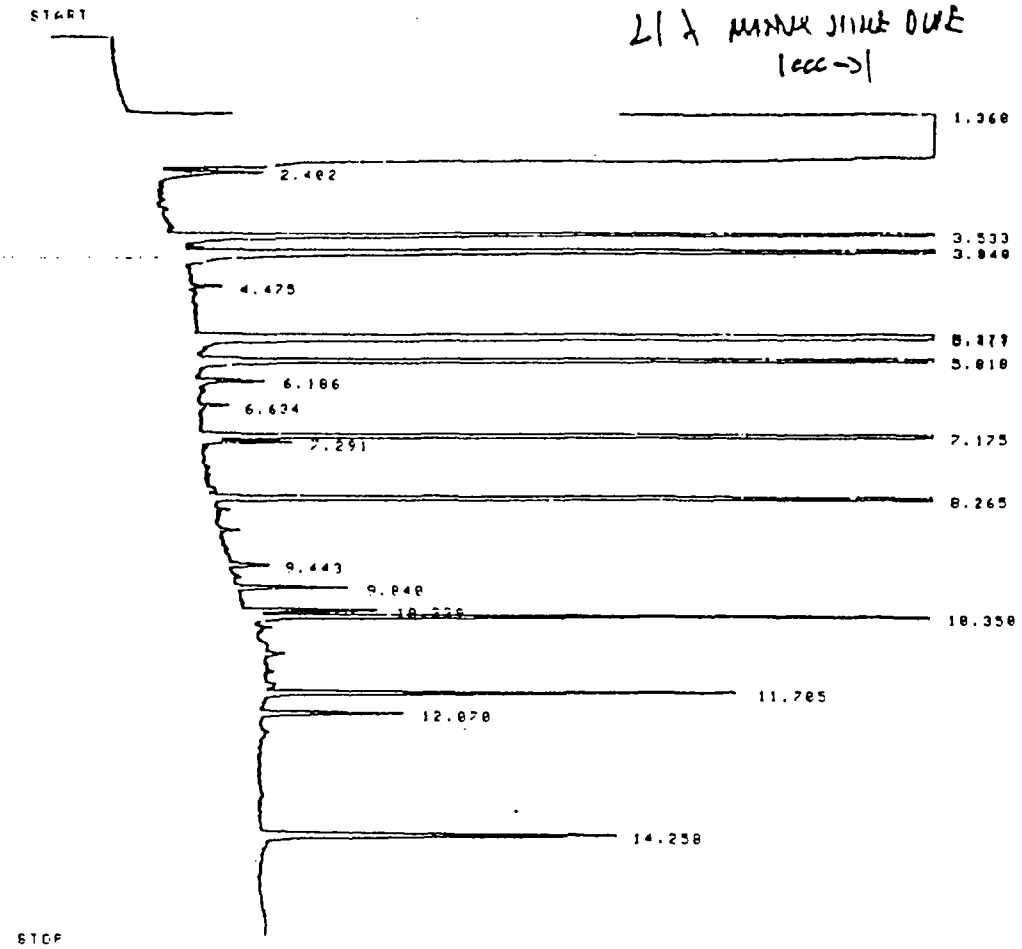
ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	I	NAME
2.402	BP	15641	.073	3594		.000	
3.535	PB	62556	.048	21503	1R	25.223	PHENOL
3.842	PB	118809	.050	39399	2	62.862	2-CHLORO P.
5.379	BV	66556	.032	35011	3	24.652	2-NITRO P.
5.416	VB	139435	.046	50383	4	72.618	2.4 DIMETHYL P.
5.824	BB	102223	.043	39858	5	68.152	2.4 DICHLORO P.
6.198	BP	3378	.062	987		.000	
6.639	PV	3396	.049	1172		.000	
7.182	PV	121313	.040	50663	6	59.176	4-CHLORO M-CR.
7.298	VV	9844	.044	3757		.000	
8.272	PP	91099	.042	36820	7	77.206	2.4.6 TRICHLORO
9.452	PV	2437	.064	632		.000	
9.849	PP	4952	.047	1773		.000	
10.245	PV	14958	.044	5605	8	29.916	2.4 DINITRO P.
10.358	VB	47406	.042	18974	9	38.003	4 NITRO P.
11.715	BP	38694	.048	13484	10	41.163	4.6 DINITRO CR.
12.080	BP	9810	.055	2730		.000	
14.271	BV	32744	.073	7504	11	93.553	PENTA CHLORO P.

2.1λ + spk dup 1ccc->1

TOTAL AREA= 804451
MUL FACTOR=1.0000E+00

21 λ MATRIX SPIKE DUPE
1000->1



Closing signal file MISIGNAL .BNC

RUN# 355 JAN 13, 1989 08:07:48

SIGNAL FILE: MISIGNAL.BNC

PHENOL RUN AREA %

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL# 1		NAME
1.360	SHB	1.419E+09	.178	132550920		.000	
2.402	BP	8636	.072	1999		.000	
3.533	PB	87871	.041	35340	1R	35.430	PHENOL
3.840	PB	160601	.044	60453	2	84.974	2-CHLORO P.
4.475	BP	1850	.047	650		.000	
5.373	PV	124076	.034	60686	3	45.958	2-NITRO P.
5.411	VV	191864	.043	74570	4	99.923	2.4 DIMETHYL P.
5.818	PB	140406	.040	57901	5	93.609	2.4 DICHLORO P.
6.186	BV	4747	.057	1379		.000	
6.634	PP	2027	.055	611		.000	
7.175	PV	171553	.040	72374	6	83.684	4-CHLORO M-CR.
7.291	VP	4666	.044	1763		.000	
8.265	PB	124027	.042	49785	7	105.113	2.4.6 TRICHLORO
9.443	VP	3261	.064	845		.000	
9.840	BP	5392	.042	2165		.000	
10.239	PV	6742	.044	2527	8	13.484	2.4 DINITRO P.
10.350	VB	47321	.043	18511	9	29.949	4 NITRO P.
11.705	VV	26441	.040	9105	10	28.120	4.6 DINITRO CR.
12.070	PP	9470	.056	2818		.000	
14.258	BV	29481	.072	6812	11	84.230	PENTA CHLORO P.

2.2 λ
MATRIX BLANK
1000->1

TOTAL AREA=1.4282E+09
MUL FACTOR=1.0000E+00

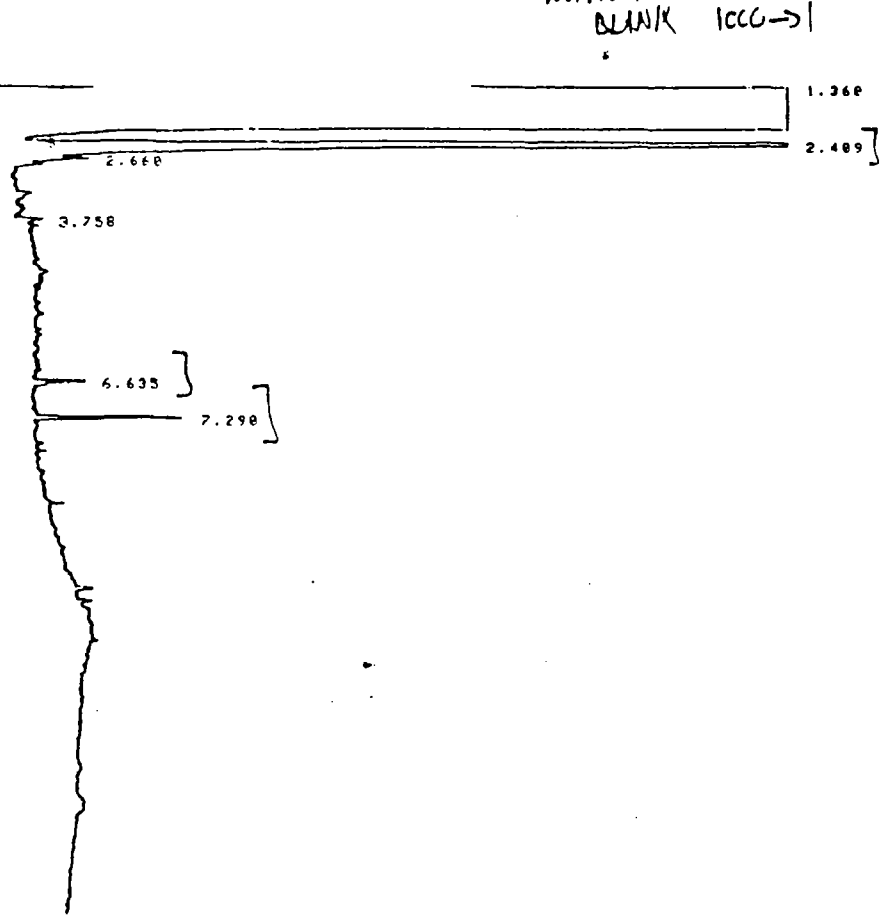
* RUN # 356 JAN 13, 1989 08:34:48

MATRIX BLANK 22λ 1000->1

* RUN # 356 JAN 13, 1989 08:34:40

START

MATRIX BLANK 22λ 1000→1



STOP

Closing signal file MISIGNAL .ENC

RUN# 356 JAN 13, 1989 08:34:40

SIGNAL FILE: MISIGNAL.ENC

PHENOL RUN AREA %

2.1λ 9010419 800→1

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	I	NAME
1.360	SHB	1.435E+09	.150	159378328		.000	
2.409	BV	152523	.087	29114		.000	
2.660	VV	4542	.059	1286		.000	
3.758	PV	2235	.065	573	2	1.103	2-CHLORO P.
6.635	PV	2387	.041	973		.000	
7.298	VV	7514	.044	2861	6	3.665	4-CHLORO M-CR.

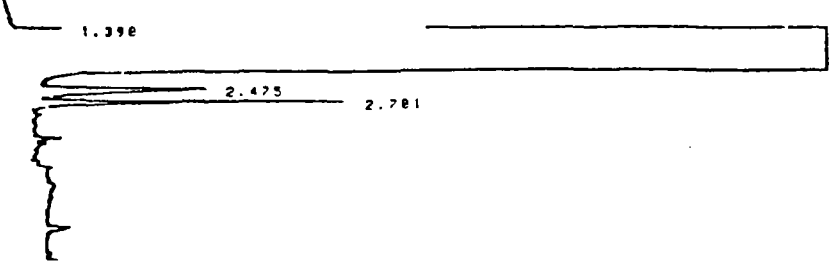
TOTAL AREA=1.4358E+09

MUL FACTOR=1.0000E+00

* RUN # 357 JAN 13, 1989 08:59:57

START

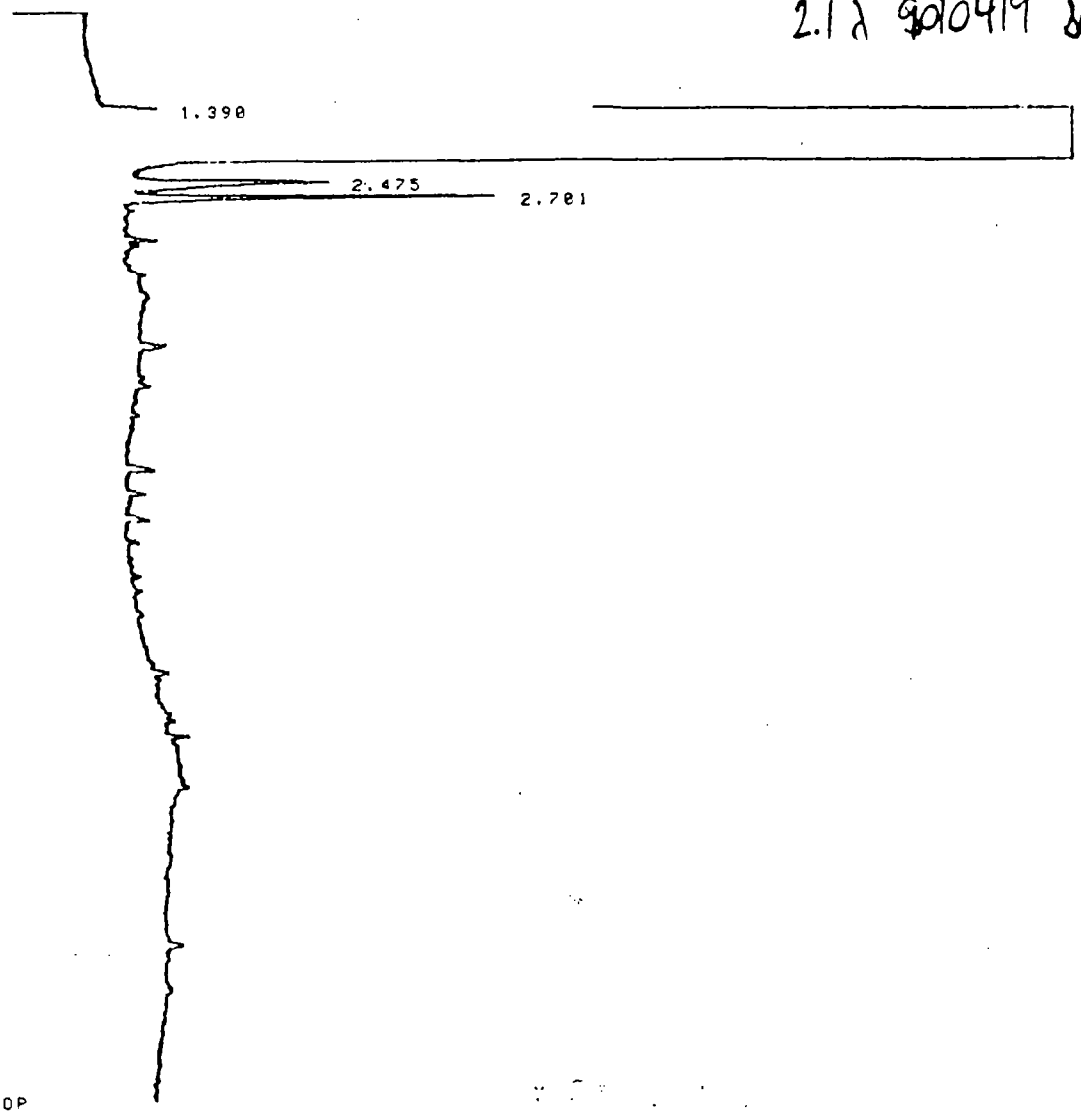
2.1λ 9010419 800→1



* RUN # 357 JAN 13, 1989 08:59:57

START

2.1 λ 9010419 800→1



STOP

Closing signal file MISIGNAL .BNC

RUN# 357 JAN 13, 1989 08:59:57

2.2 λ 9010420 800→1

SIGNAL FILE: MISIGNAL.BNC

PHENOL RUN AREA %

NO CALIB PEAKS FOUND

AREA%

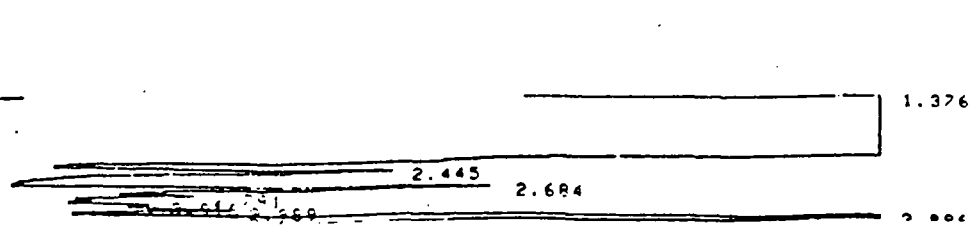
RT	AREA	TYPE	WIDTH	AREA%
2.475	14475	BV	.881	45.38045
2.701	17422	VP	.849	54.61957

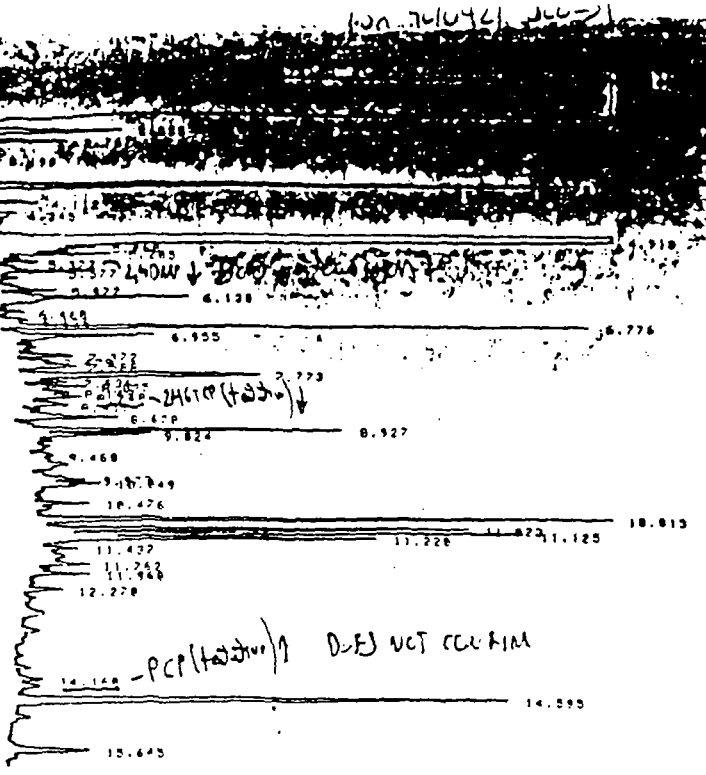
TOTAL AREA= 31897

MUL FACTOR=1.0000E+00

* RUN # 358 JAN 13, 1989 09:21:52

START





STOP

Closing signal file MISICHAL .DHC

RUN# 369 JAN 13, 1995 14:29:03

SIGNAL FILE: MISICHAL.DHC

PHENOL RUN AREA %

ESTD-AREA

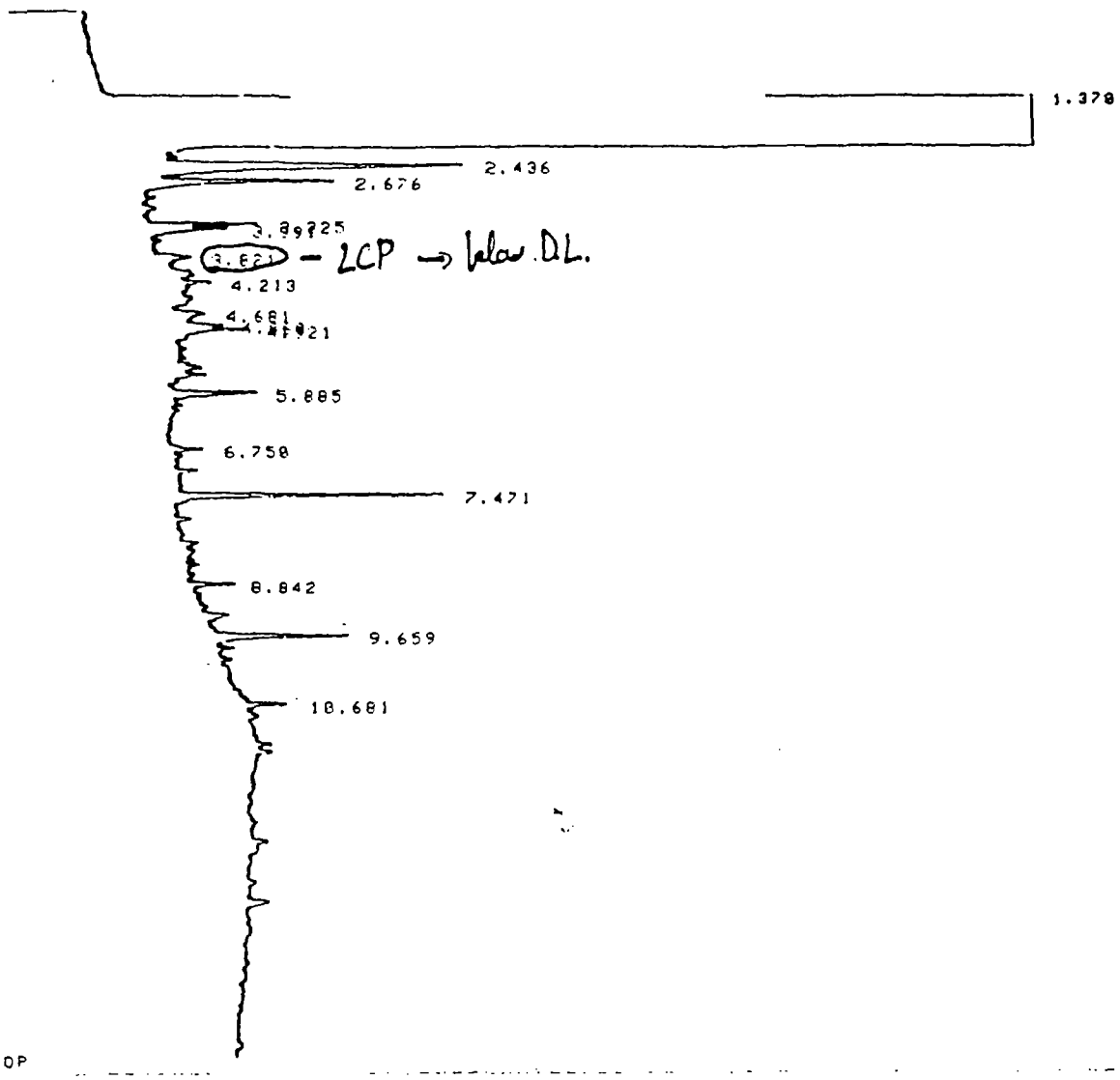
RT	TYPE	AREA	WIDTH	HEIGHT	CALC 1		NAME
1.449	SBB	1.4586E+09	.171	141173928		.000	
2.536	PV	17588	.082	3546		.000	
2.767	VV	7481	.056	2377		.000	
3.198	PP	3513	.069	647		.000	
3.751	PV	42543	.055	13872	2	22.721	2-CHLORO P.
4.112	VP	3663	.044	1334		.000	
4.345	VV	1937	.051	638		.000	
4.918	PB	1024860	.065	261471		.000	
5.060	PV	2132	.041	876		.000	
5.285	VP	4354	.035	2112		.000	
5.377	VP	2127	.039	948	3	.700	2-NITRO P.
5.577	VV	5457	.065	1486	4	2.842	2,4 DIMETHYL P.
5.972	VV	5257	.062	1418	5	3.585	2,4 DICHLORO P.
6.138	VV	21259	.080	4426		.000	
6.468	VV	2853	.054	629		.000	
6.626	VV	2279	.051	746		.000	
6.776	VV	37449	.046	13451		.000	
6.955	VV	12647	.059	3588		.000	
7.372	VV	8131	.051	1688	6	3.966	4-CHLORO M-CR.
7.479	VV	3217	.047	1153		.000	
7.588	VV	4975	.049	1488		.000	
7.773	VV	32333	.091	5988		.000	
7.936	VV	5952	.064	1543		.000	
8.025	VV	8958	.077	1955		.000	
8.149	VV	6884	.072	1596		.000	
8.248	VV	11353	.103	1837	7	9.622	2,4,6 TRICHLORO
8.412	VV	9842	.105	1567		.000	
8.678	VV	16231	.101	2468		.000	
8.927	VV	26795	.059	7724		.000	
9.824	VV	14588	.072	3266		.000	
9.468	VV	7154	.102	1166		.000	
9.975	VV	14321	.129	1851		.000	
10.049	VV	7577	.058	2166	8	15.154	2,4 DINITRO P.
10.476	VV	7872	.070	1881	9	4.982	4 NITRO P.
10.813	VV	58549	.054	17952		.000	
11.023	VV	34318	.058	10409		.000	
11.125	VV	34219	.049	11669		.000	
11.228	VV	34058	.072	8268		.000	
11.432	VV	8444	.058	1571		.000	
11.742	VV	18562	.049	1779	10	11.234	4,6 DINITRO CR.
11.948	VV	8474	.067	1818		.000	
12.278	VV	6588	.052	1195		.000	
14.168	VV	3316	.062	678	11	9.474	PENTA CHLORO P.
14.595	VV	57783	.086	11282		.000	
15.645	PV	11328	.102	1849		.000	

TOTAL AREA=1.4514E+09
MUL FACTOR=1.2890E+00

* RUN # 360 JAN 13. 1989 10:05:27

2.1λ 9010422 200→1

START



STOP

Closing signal file MISIGNAL .BNC

RUN# 360 JAN 13. 1989 10:05:27

SIGNAL FILE: MISIGNAL.BNC

PHENOL RUN AREA %

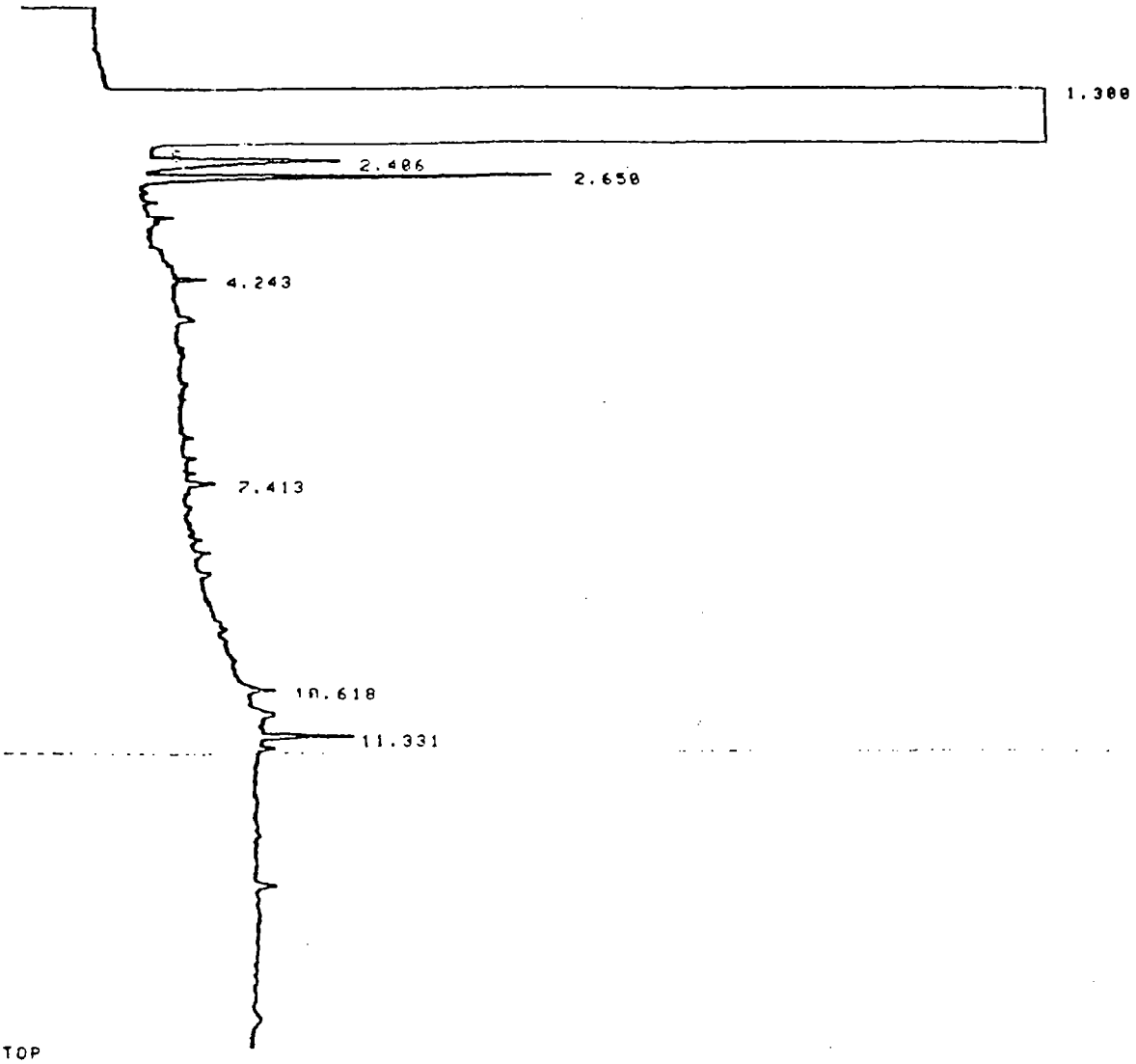
ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL# 1		NAME
1.370	SHB	1.491E+09	.165	150764800		.000	
2.436	TVV	28408	.093	5071		.000	
2.676	TVB	11260	.062	3043		.000	
3.325	VV	4981	.044	1847		.000	
3.391	VV	5285	.065	1353	1R	2.131	PHENOL
3.621	PV	3126	.088	591	2	1.654	2-CHLORO P.
4.213	VV	3533	.089	671		.000	
4.681	PV	3461	.109	531		.000	
4.860	VV	3496	.065	878		.000	
4.921	VV	4950	.066	1246	3	1.833	2-NITRO P.
5.885	PV	6346	.072	1467		.000	
6.750	PV	2487	.069	598	6	1.213	4-CHLORO M-CR.
7.471	VB	12944	.049	4410		.000	
8.842	PV	2195	.048	769		.000	
9.659	VV	8689	.053	2293	8	17.378	2.4 DINITRO P.
10.681	VV	3362	.063	883	10	3.576	4.6 DINITRO CR.

20λ
↓9010423
200→1

*. RUN # 361 JAN 13. 1989 10:24:00 2.0λ 901042B 800→1

START



STOP

Closing signal file MISIGNAL .BNC

RUN# 361 JAN 13. 1989 10:24:00

SIGNAL FILE: MISIGNAL.BNC

PHENOL RUN AREA %

2.0λ 901042A 800→1

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	1	NAME
1.300	SBB	1.730E+09	.161	179011200		.000	
2.406	VV	17981	.092	3251		.000	
2.650	VP	21294	.052	6858		.000	
4.243	PP	1435	.041	586		.000	
7.413	PV	1935	.062	519	6	.944	4-CHLORO M-CR.
10.618	PV	2380	.072	552	9	1.506	4 NITRO P.
11.331	PP	4477	.050	1498	10	4.763	4.6 DINITRO CR.

TOTAL AREA=1.7297E+09
MUL FACTOR=1.0000E+00

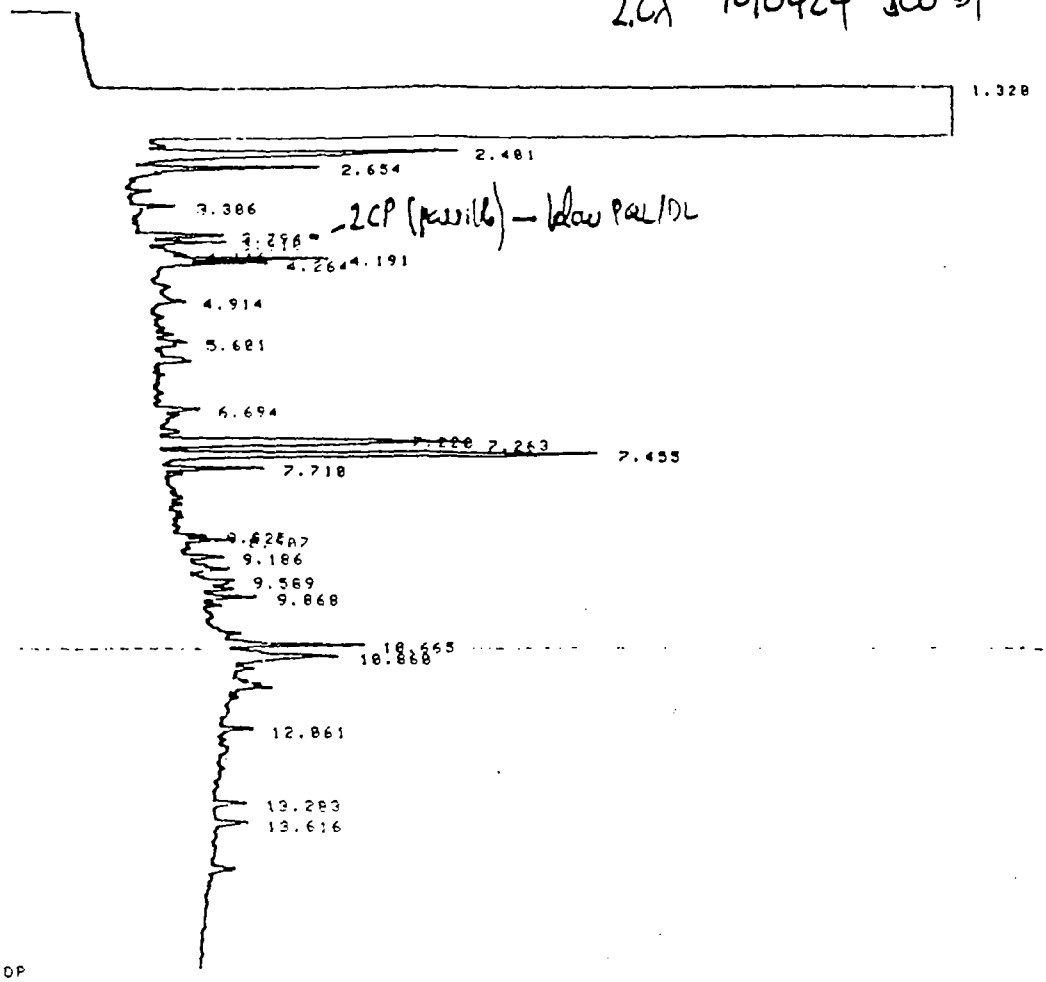
* RUN # 362 JAN 13. 1989 10:46:49 2.0λ 901042A 800→1

START

* RUN # 362 JAN 13, 1989 10:46:49

START

2.0λ 9010424 800→1



STOP

Closing signal file M:SIGNAL .BNC

RUN# 362 JAN 13, 1989 10:46:49

SIGNAL FILE: M:SIGNAL.BNC

PHENOL RUN AREA %

ESTD-AREA

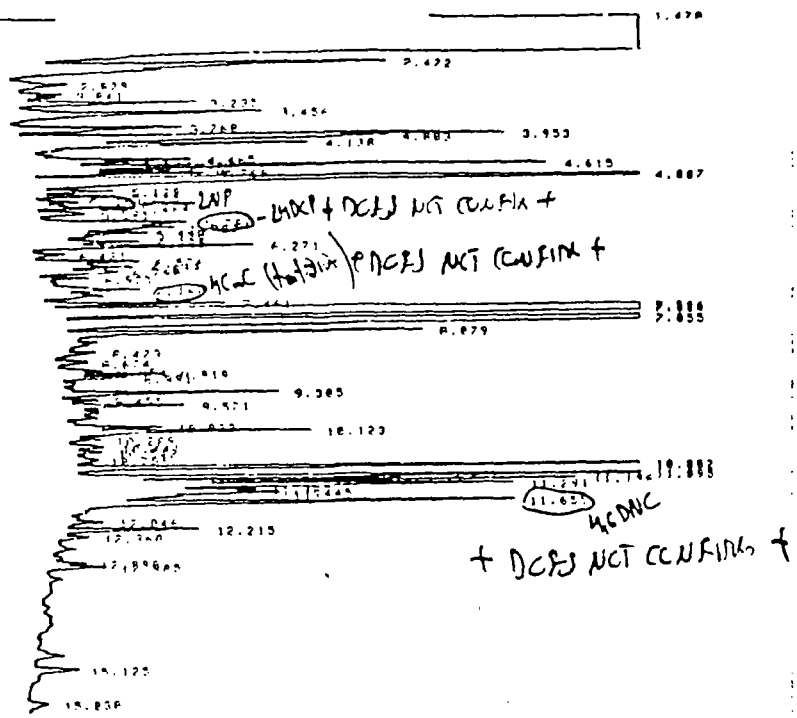
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	1	NAME
1.320	SHB	1.635E+09	.176	154446400		.000	
2.401	TVB	30556	.090	5672		.000	
2.654	BV	10635	.054	3297		.000	
3.386	PV	3603	.071	842		.000	
3.794	VV	6760	.070	1619	2	3.581	2-CHLORO P.
3.910	VV	5432	.055	1650		.000	
4.116	VV	5997	.118	908		.000	
4.191	VV	10043	.048	3463		.000	
4.264	VV	9865	.063	2385		.000	
4.914	VV	6656	.145	766		.000	
5.601	VV	2497	.065	645	4	1.300	2.4 DIMETHYL P.
6.694	PV	3395	.067	850		.000	
7.220	VV	9587	.036	4241	6	4.677	4-CHLORO M-CR.
7.263	VV	24296	.072	5592		.000	
7.455	VP	37087	.079	7950		.000	
7.710	PV	5010	.045	1043		.000	
8.825	BV	1348	.042	541		.000	
8.987	VV	3084	.051	1014		.000	
9.186	PV	3032	.066	767		.000	
9.589	VV	2559	.054	797		.000	
9.868	VV	4156	.063	1098	8	8.312	2.4 DINITRO P.
10.665	VV	10011	.063	2637	9	6.336	4 NITRO P.
10.860	VV	13375	.108	2067		.000	
12.061	PV	2468	.060	600	10	2.625	4.6 DINITRO CR.
13.283	BP	2068	.058	590		.000	
13.616	BV	3759	.091	609	11	10.740	PENTA CHLORO P.

2.1λ 9010427 800→1

RUN # 368 JAN 13, 1989 14:02:34

SIGEI

1,4) 9C(CH2)3 DCO→1



STOP

Closing signal file MISIGNAL .BNC

RUN# 368 JAN 13, 1989 14:02:34

SIGNAL FILE: MISIGNAL.BNC

PHENOL RUN AREA %

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CALB #		NAME
1.478	SHB	1.376E+05	.161	12654688		.000	
2.422	TBV	36162	.068	7935		.000	
2.629	VV	5155	.066	1311		.000	
3.841	VV	4831	.057	1175		.000	
3.235	VV	15929	.042	4264		.000	
3.456	VP	28584	.082	5776	1R	11.493	PHENOL
3.768	PV	16588	.068	3655	2	9.831	2-CHLORO P.
3.953	VV	29897	.044	11879		.000	
4.083	VV	35276	.070	8346		.000	
4.138	VV	26262	.067	6566		.000	
4.465	VV	12485	.055	3741		.000	
4.522	VV	5986	.043	2296		.000	
4.615	VV	35613	.051	11786		.000	
4.784	VV	9274	.045	3169		.000	
4.769	VP	18451	.045	3894		.000	
4.867	PB	135648	.052	43658		.000	
5.129	BV	4372	.045	1638		.000	
5.229	VP	4457	.042	1785	3	1.651	2-NITRO P.
5.358	PV	2787	.045	1824	4	1.451	2,4 DIMETHYL P.
5.464	VV	5634	.045	2118		.000	
5.561	VV	4862	.065	1185		.000	
5.788	VV	20885	.098	3536	5	13.924	2,4 DICHLORO P.
5.882	VV	14678	.075	3249		.000	
5.998	VV	9211	.058	2626		.000	
6.175	VV	18654	.072	2518		.000	
6.271	VP	13487	.051	5863		.000	
6.421	PV	2549	.057	745		.000	
6.576	VV	8236	.056	2459		.000	
6.699	VV	18892	.077	2355		.000	
6.798	VV	18791	.069	2818		.000	
6.921	VV	3967	.051	1301	6	1.945	4-CHLORO M-CR.
7.168	VV	11986	.068	2482		.000	
7.461	VV	14537	.055	4434		.000	
7.586	VV	85422	.036	39725		.000	
7.634	VV	319758	.068	66274		.000	
7.855	VV	218738	.053	39416		.000	
8.879	VV	35356	.067	8626	7	29.964	2,4,6 TRICHLORO
8.473	VV	9288	.107	1437		.000	
8.674	VV	8256	.109	1264		.000	
8.854	VV	7585	.088	1592		.000	
8.919	VV	8739	.049	2978		.000	
8.991	VV	8215	.064	2147		.000	
9.385	VV	22973	.049	5562		.000	
9.455	VV	4628	.048	1458		.000	
9.871	VV	15727	.077	3488		.000	
10.033	VV	13149	.074	2656	8	26.294	2,4 DINITRO P.
10.123	VV	27516	.073	4285	9	17.429	4 NITRO P.
10.283	VV	7232	.068	1515		.000	

PHENOL RUN AREA X

9C10421 cont'd

ESTD-AREA

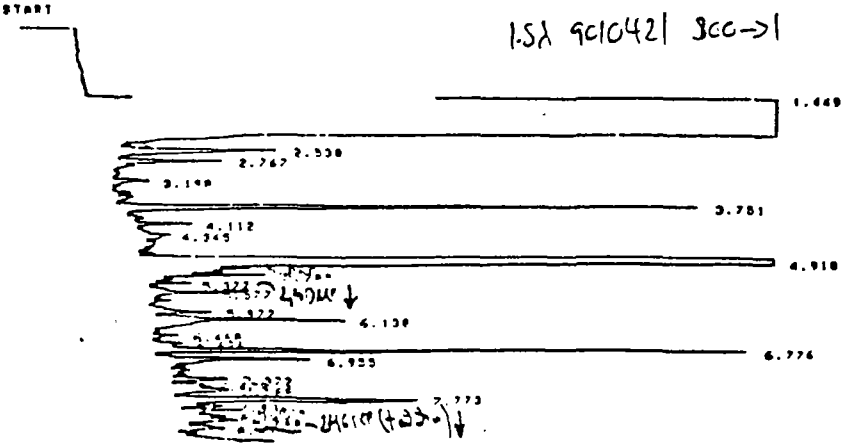
RT	TYPE	AREA	WIDTH	HEIGHT	CALC 1		NAME
1.470	SHB	1.376E+09	.101	126546680		.000	
2.422	TBV	30162	.080	7935		.000	
2.929	VV	5199	.066	1311		.000	
3.041	VV	4031	.057	1175		.000	
3.235	VV	15929	.062	4264		.000	
3.456	VP	28504	.092	5776	10	11.493	PHENOL
3.769	PV	10500	.080	3055	2	9.031	2-CHLORO P.
3.953	VV	29097	.044	11079		.000	
4.003	VV	35276	.070	8346		.000	
4.138	VV	26282	.067	6566		.000	
4.465	VV	12405	.055	3741		.000	
4.522	VV	5986	.043	2296		.000	
4.615	VV	35613	.051	11706		.000	
4.706	VV	9274	.049	3169		.000	
4.769	VP	10451	.045	3894		.000	
4.867	PB	135648	.052	43658		.000	
5.129	BV	4372	.045	1630		.000	
5.229	VP	4457	.042	1705	3	1.651	2-NITRO P.
5.350	PV	2787	.045	1024	4	1.451	2.4 DIMETHYL P.
5.464	VV	5634	.045	2110		.000	
5.581	VV	6062	.085	1105		.000	
5.700	VV	20085	.098	3536	5	13.924	2.4 DICHLORO P.
5.882	VV	14670	.075	3249		.000	
5.998	VV	9211	.050	2626		.000	
6.175	VV	10854	.072	2518		.000	
6.271	VP	15607	.051	5063		.000	
6.421	PV	2549	.057	745		.000	
6.576	VV	8236	.056	2459		.000	
6.699	VV	10892	.077	2355		.000	
6.798	VV	10791	.069	2818		.000	
6.921	VV	3997	.051	1381	6	1.945	4-CHLORO M-CR.
7.160	VV	11986	.080	2482		.000	
7.461	VV	14637	.055	4434		.000	
7.586	VV	85422	.036	39725		.000	
7.634	VV	318356	.080	66276		.000	
7.855	VV	210738	.089	39416		.000	
8.079	VV	35356	.067	8826	7	29.964	2.4.6 TRICHLORO
8.473	VV	9200	.107	1437		.000	
8.674	VV	8256	.109	1264		.000	
8.854	VV	7585	.080	1562		.000	
8.919	VV	8739	.049	2978		.000	
8.991	VV	8215	.064	2147		.000	
9.385	VV	22973	.069	5562		.000	
9.455	VV	6020	.068	1450		.000	
9.571	VV	15727	.077	3408		.000	
10.033	VV	13149	.076	2896	8	26.296	2.4 DINITRO P.
10.123	VV	27539	.073	6205	9	17.429	4 NITRO P.
10.289	VV	7237	.080	1515		.000	
10.441	VV	10360	.106	1624		.000	
10.542	VV	7984	.085	1561		.000	
10.705	VV	14172	.161	1469		.000	
10.882	VV	56082	.053	17520		.000	
11.095	VV	66697	.060	18362		.000	
11.196	VV	36978	.050	12238		.000	
11.291	VV	48467	.075	10796		.000	
11.383	VV	16407	.055	5000		.000	
11.445	VV	24148	.073	5516	10	25.680	4.6 DINITRO CR.
11.655	VV	49378	.076	10768		.000	
12.046	VV	9358	.102	1535		.000	
12.215	VV	15562	.078	3712		.000	
12.360	VV	7225	.099	1222		.000	
12.898	VV	5814	.075	1121		.000	
12.985	VV	6771	.071	1680		.000	
15.125	VV	6414	.099	1077		.000	
15.838	PV	3452	.113	510		.000	

↓ 1.5λ 9010421 300->1

TOTAL AREA=1.3776E+09
MUL FACTOR=1.0000E+00

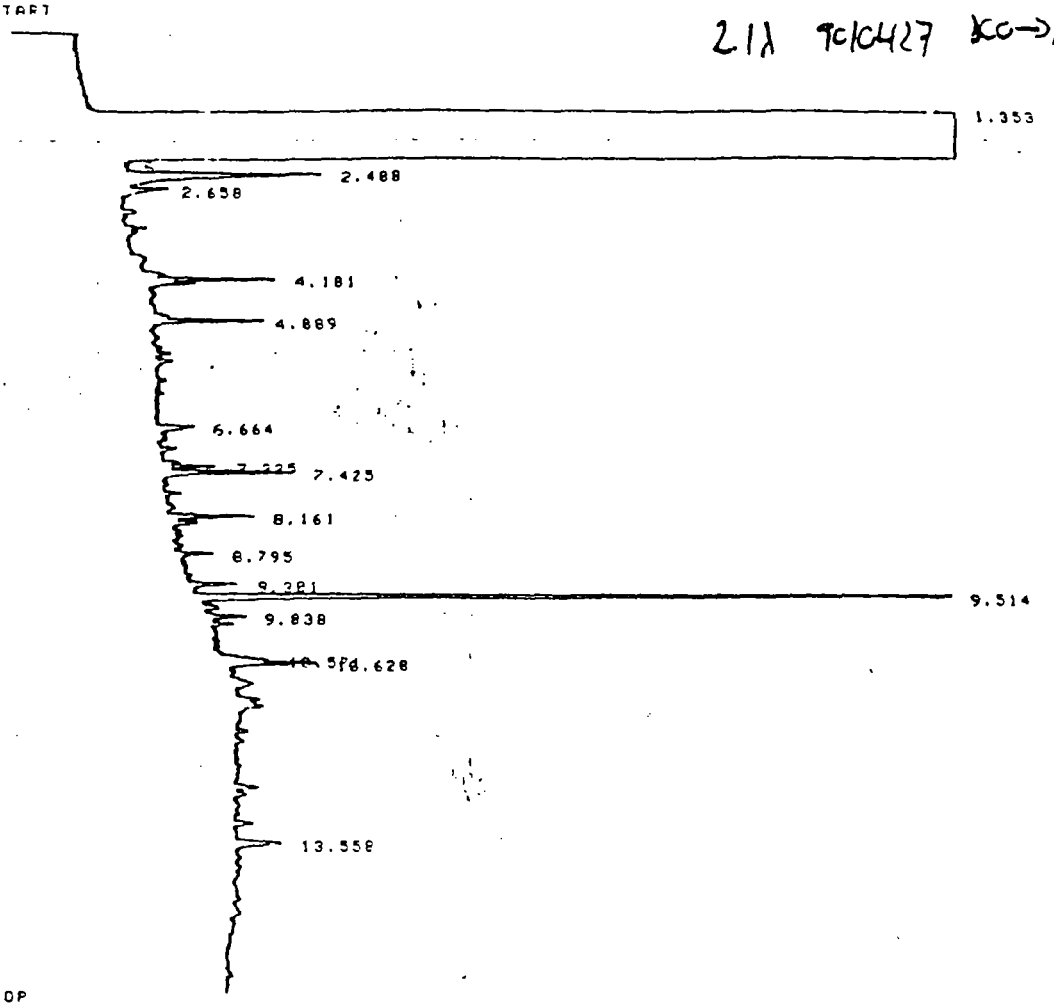
* RUN # 369 JAN 13, 1989 14:29:03
START

1.5λ 9010421 300->1



* RUN # 363 JAN 13, 1989 11:05:54
START

2.1λ 9010427 800→1



STOP

Closing signal file M:SIGNAL .BNC

RUN# 363 JAN 13, 1989 11:05:54

SIGNAL FILE: M:SIGNAL.BNC

PHENOL RUN AREA %

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	I	NAME
1.353	SHB	1.461E+09	.174	140089200		.000	
2.488	VV	19508	.091	3554		.000	
2.658	VP	2659	.058	766		.000	
4.181	VV	6988	.048	2431		.000	
4.889	VV	8942	.071	2185		.000	
6.664	PV	2715	.067	680		.000	
7.325	VV	2649	.045	985	6	1.292	4-CHLORO M-CR.
7.425	VP	7772	.054	2421		.000	
8.161	VV	4993	.053	1577	7	4.232	2,4,6 TRICHLORO
8.795	PV	2120	.051	697		.000	
9.301	PV	2860	.055	870		.000	
9.514	VV	56537	.044	21199		.000	
9.838	VV	2596	.058	752	8	5.192	2,4 DINITRO P.
10.571	PV	3417	.060	834	9	2.163	4 NITRO P.
10.628	VV	6230	.061	1693		.000	
13.558	VV	4816	.088	911	11	13.760	PENTA CHLORO P.

2.05λ
9010428
800→1

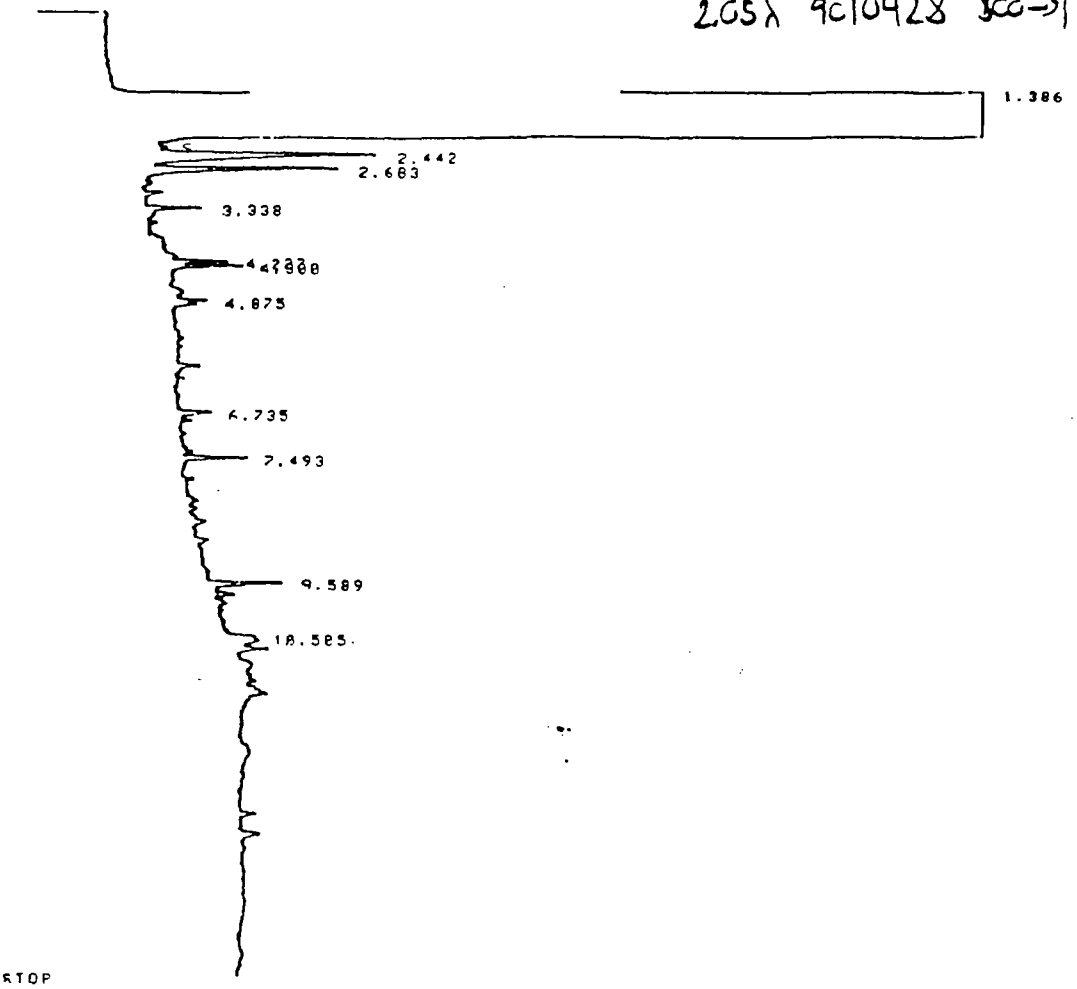
TOTAL AREA=1.4607E+09
MUL FACTOR=1.0000E+00

* RUN # 364 JAN 13, 1989 11:24:19
START

* RUN # 364 JAN 13, 1989 11:24:19

START

2.05λ 9010428 800→1



STOP

Closing signal file M:SIGNAL .BNC

RUN# 364 JAN 13, 1989 11:24:19

SIGNAL FILE: M:SIGNAL.BNC

PHENOL RUN AREA %

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	I		NAME
1.386	SPB	1.446E+09	.175	137488888			.000	
2.442	VV	21993	.092	4002			.000	
2.683	VP	11654	.057	3437			.000	
3.338	PV	2633	.043	1012			.000	
4.227	VV	3223	.046	1156			.000	
4.300	VP	3769	.046	1354			.000	
4.875	PV	1395	.040	577			.000	
6.735	PV	2658	.065	675			.000	
7.493	VP	3978	.054	1229	6		1.940	4-CHLORO M-CR.
9.589	PV	4230	.053	1335			.000	
10.585	VV	2010	.074	634	9		1.770	4 NITRO P.

2.05λ 9010431 800→1

TOTAL AREA=1.4459E+09

MUL FACTOR=1.0000E+00

* RUN # 365 JAN 13, 1989 12:27:12

START

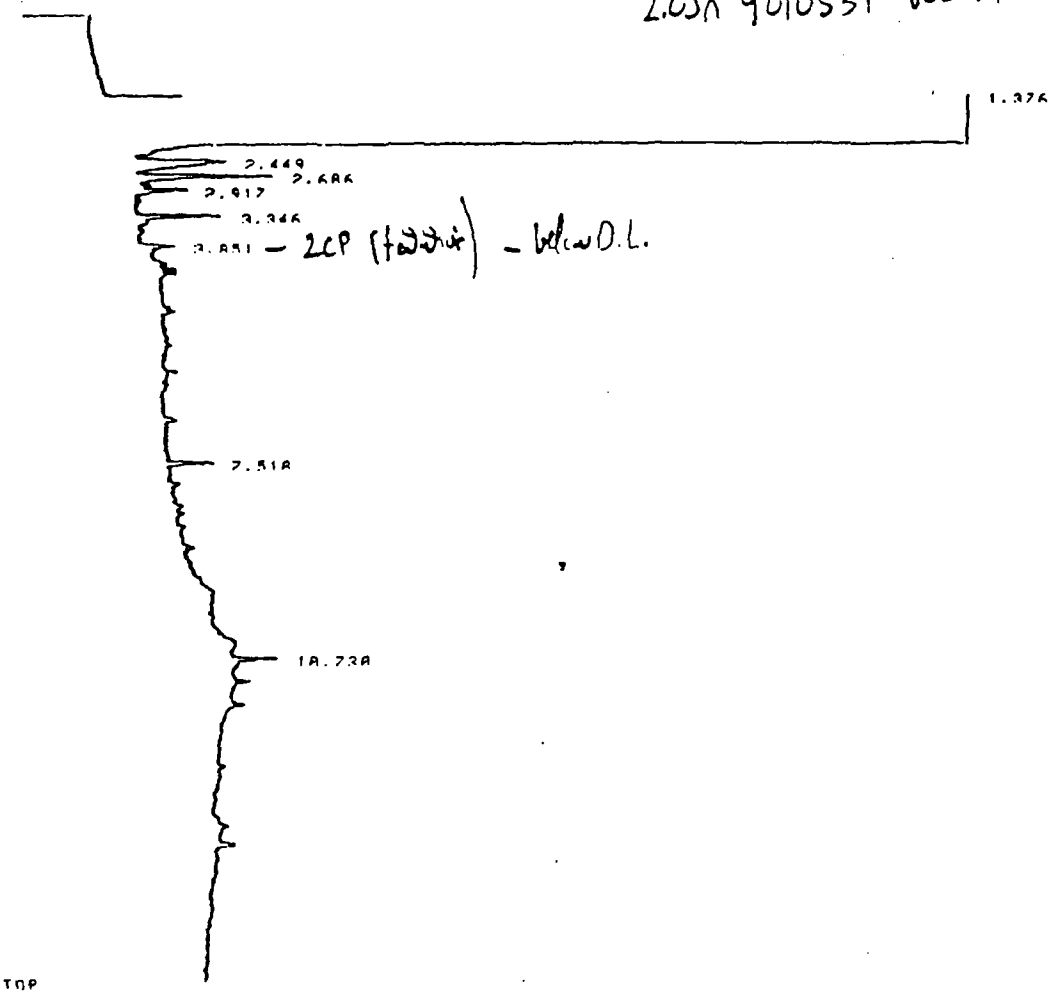
2.05λ 9010531 800→1

10.585 4 VV 2010 .074 634 1.720 4 NITRO P.

TOTAL AREA=1.4459E+09
MUL FACTOR=1.0000E+00

* RUN # 365 JAN 13, 1989 12:27:12
START

2.05λ 9010531 800→1



STOP

Closing signal file M:SIGNAL .BNC

RUN# 365 JAN 13, 1989 12:27:12

SIGNAL FILE: M:SIGNAL.BNC

PHENOL RUN AREA %

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	I	NAME
1.376	SHB	1.462E+09	.166	146653520		.000	
2.449	BV	10839	.112	1611		.000	
2.686	VV	8384	.056	2493		.000	
2.917	VP	3307	.058	954		.000	
3.346	PV	4313	.046	1547		.000	
3.851	BV	2372	.068	578	2	1.255	2-CHLORO P.
7.518	PV	2377	.046	852	6	1.160	4-CHLORO M-CR.
10.730	VV	4613	.073	1854	9	2.920	4 NITRO P.

2.1λ
9010432
800→1

TOTAL AREA=1.4624E+09
MUL FACTOR=1.0000E+00

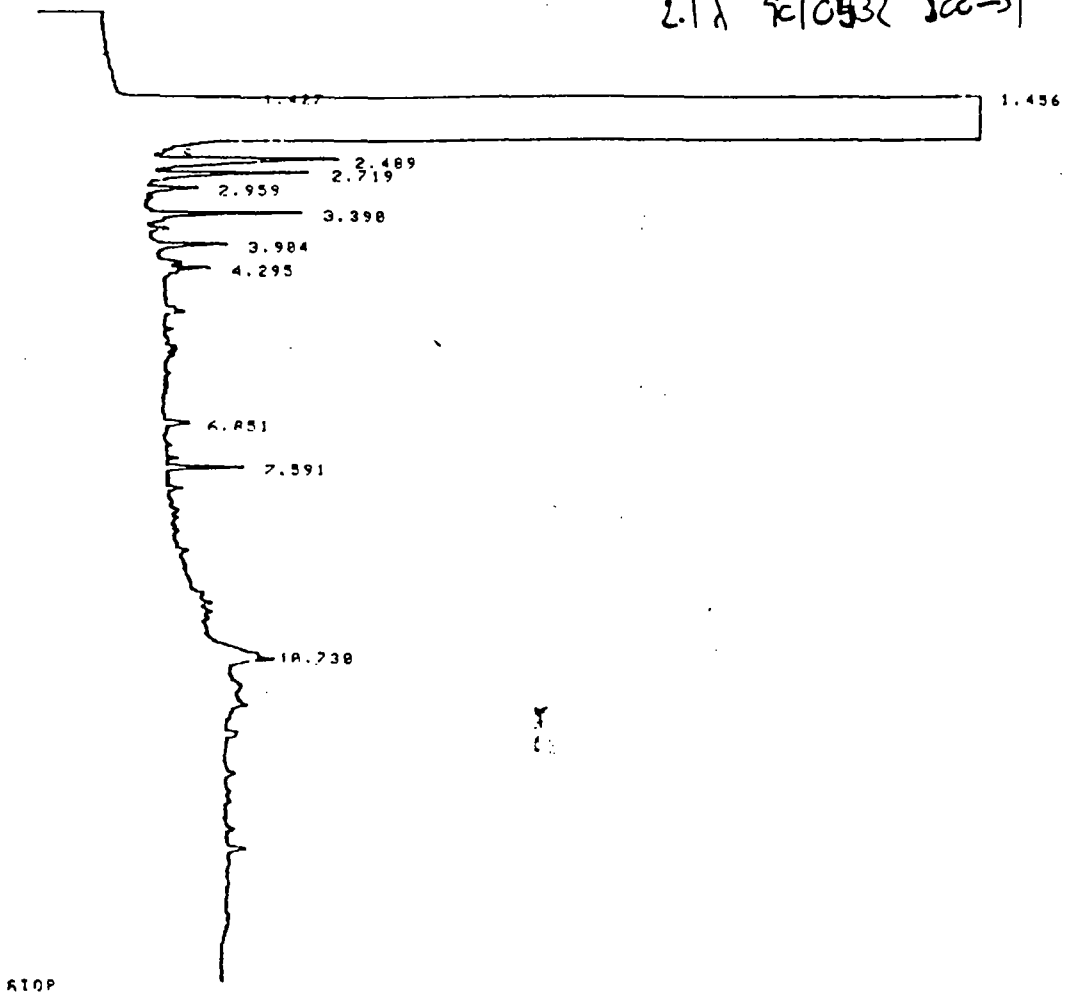
* RUN # 366 JAN 13, 1989 12:48:32
START

1.1λ 9010532 800→1

* RUN # 366 JAN 13, 1989 12:48:32

START

2.1λ 9010532 200→1



STOP

Closing signal file MISIGNAL .BNC

RUN# 366 JAN 13, 1989 12:48:32

SIGNAL FILE: MISIGNAL.BNC

PHENOL RUN AREA %

ESTD-AREA

RT	TYPE	AREA	WIDTH	HEIGHT	CAL#	1	NAME
1.422	VH	4229	.029	2417		.000	
1.456	SHB	1.181E+09	.146	125590320		.000	
2.489	PV	10467	.093	3321		.000	
2.719	VP	9708	.056	2894		.000	
2.959	PP	3308	.058	952		.000	
3.390	PV	7935	.047	2803	1R	3.199	PHENOL
3.984	PV	4760	.059	1341		.000	
4.295	VV	3317	.057	970		.000	
6.851	PV	2320	.075	517	6	1.132	4-CHLORO M-CR.
7.591	VP	4779	.055	1458	7	4.050	2.4.6 TRICHLORO
18.730	PV	6724	.159	703	10	7.153	4.6 DINITRO CR.

2.1λ 9010533 200→1

TOTAL AREA=1.1812E+09

MUL FACTOR=1.0000E+00

* RUN # 36F JAN 13, 1989 13:19:20

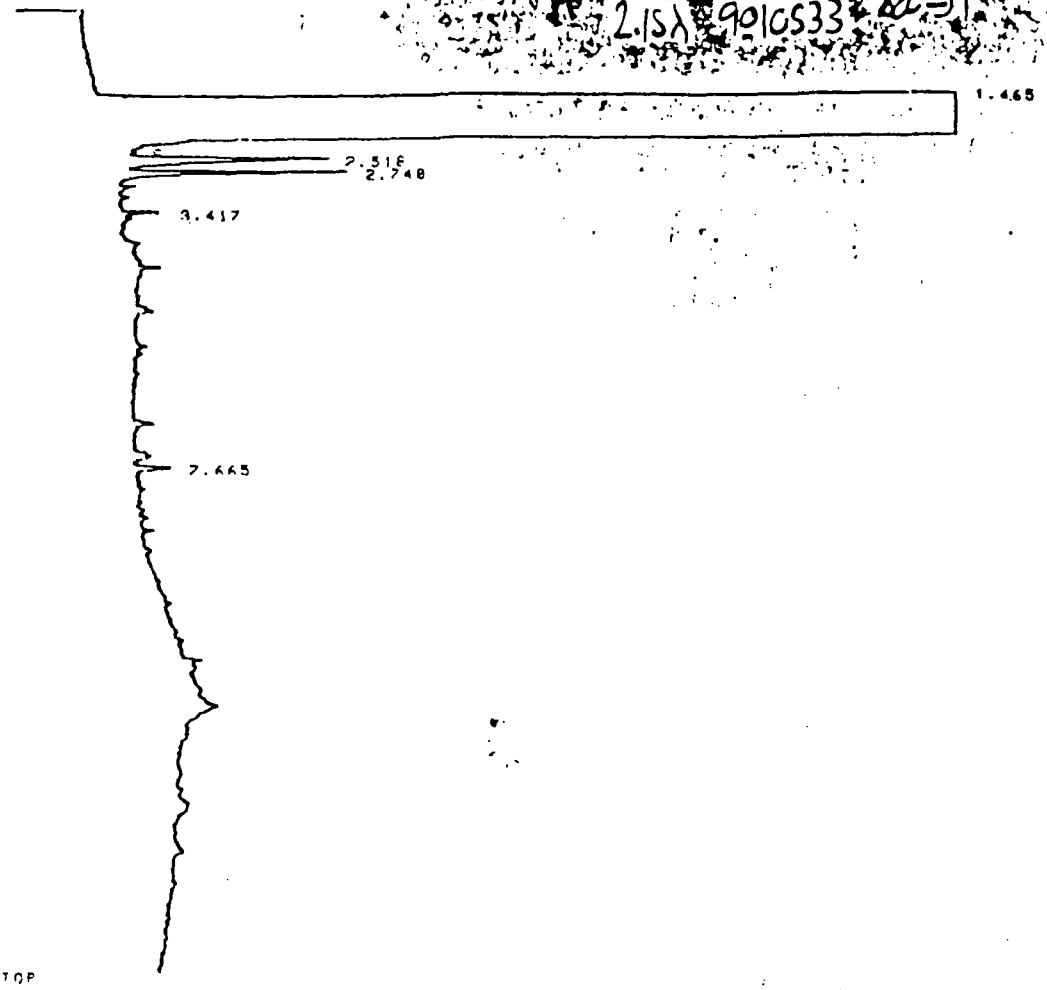
START

2.1λ 9010533 200→1

* RUN # 367 JAN 13, 1989 13:19:28

START

2.15λ 9010533 DCC→1



STOP

Closing signal file MISIGNAL .BNC

RUN# 367 JAN 13, 1989 13:19:28

SIGNAL FILE: MISIGNAL.BNC

PHENOL RUN AREA %

1.4λ 9010425 DCC→1

ESTD-AREA

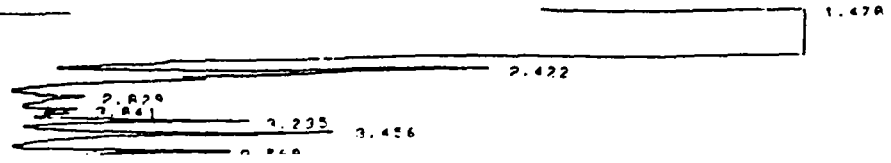
RT	TYPE	AREA	WIDTH	HEIGHT	CAL#			NAME
1.465	SPB	1.168E+09	.163	119138360			.000	
2.518	PV	18039	.082	3668			.000	
2.748	VP	12411	.051	4847			.000	
3.417	PV	2434	.055	731	1R		.981	PHENOL
7.665	BV	2647	.069	643	7		2.243	2,4,6 TRICHLORO

TOTAL AREA=1.1679E+09
MUL FACTOR=1.0000E+00

* RUN # 368 JAN 13, 1989 14:02:34

START

1.4λ 9010425 DCC→1



SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Q.C. Sample Dates
P.O.Box 578	Method (units):	EPA 8270 (ug)	
Novato, CA 94948	Analyst:	J. Schwarz	Extracted: 1/11/89
Attention: Bob Breynaert	QC Sample #:	901-0420	Analyzed: 1/13/89
	QC Sample Group:	901-0420	Reported: 1/19/89

QUALITY CONTROL DATA REPORT

Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	% Recovery	Conc. Matrix Spike Duplicate	% Recovery	Relative % Deviation
1,2,4-Trichloro-benzene	N.D.	50	37	74	34	68	4.2
Acenaphthene	N.D.	50	40	80	39	78	1.3
2,4-Dinitro-toluene	N.D.	50	30	60	31	62	1.6
Di-n-Butyl-phthalate	N.D.	50	41	82	48	96	7.9
Pyrene	N.D.	50	49	98	56	112	6.7
N-Nitroso-Di-N-propylamine	N.D.	50	42	84	42	84	0
1,4-Dichloro-benzene	N.D.	50	35	70	35	70	0
Pentachloro-phenol	N.D.	100	57	57	73	73	12
Phenol	N.D.	100	20	20	22	22	4.8
2-Chlorophenol	N.D.	100	39	39	42	42	3.7
4-Chloro-3-Methylphenol	N.D.	100	22	22	30	30	15
4-Nitrophenol	N.D.	100	77	77	86	86	5.5

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

Initial Calibration Data
Semivolatile HSL Compounds
(2.) EPA 8270 (Page 1)

Case No: _____ Instrument ID. F2

Laboratory Name Sequoia Analytical Calibration Date: 11-17-88

Minimum $\overline{RF}$ for SPCC is 0.050 Maximum % RSD for CCC is 30%

Laboratory ID	SVSTD1117F	SVSTD1117	SVSTD1117H	SVSTD1117G	SVSTD1117I			
Compound	RF_{20}	RF_{50}	RF_{80}	RF_{120}	RF_{160}	$\overline{RF}$	%RSD	CCC* SPCC**
Phenol	2.567	2.568	2.530	2.690	2.884	2.648	5.5	*
bis(2-Chloroethyl)Ether	2.247	2.220	2.214	2.287	2.365	2.277	2.4	
2-Chlorophenol	1.792	1.748	1.776	1.913	1.949	1.836	4.8	
1,3-Dichlorobenzene	1.920	1.866	1.853	1.939	2.024	1.920	3.6	
1,4-Dichlorobenzene	2.083	2.076	1.963	2.055	2.125	2.060	2.9	*
Benzyl Alcohol	1.054	1.094	1.153	1.245	1.363	1.182	10	
1,2-Dichlorobenzene	1.864	1.816	1.918	2.002	2.105	1.951	5.3	
2-Methylphenol	1.535	1.586	1.570	1.651	1.617	1.592	2.8	
bis(2-chloroisopropyl)Ether	1.291	1.197	1.234	1.372	1.386	1.296	6.4	
4-Methylphenol	1.630	1.776	1.878	2.150	2.120	1.911	12	
N-Nitroso-Di-n-Propylamine	1.526	1.410	1.591	1.746	1.720	1.601	6.4	**
Hexachloroethane	0.747	0.808	0.785	0.887	0.949	0.834	10	
Nitrobenzene	0.434	0.441	0.455	0.506	0.503	0.468	7.3	
Isophorone	0.924	0.930	0.928	0.968	0.978	0.946	2.1	
2-Nitrophenol	0.156	0.176	0.184	0.211	0.218	0.189	14	*
2,4-Dimethylphenol	0.337	0.373	0.376	0.403	0.416	0.379	8.2	
Benzoic Acid	1	0.084	0.085	0.050	0.063	0.069	14	
bis(2-Chloroethoxy)Methane	0.575	0.570	0.613	0.588	0.628	0.595	4.2	
2,4-Dichlorophenol	0.281	0.285	0.307	0.328	0.322	0.305	7.0	*
1,2,4-Trichlorobenzene	0.344	0.340	0.328	0.352	0.355	0.344	3.1	
Naphthalene	1.299	1.224	1.305	1.141	-	1.253	4.7	
4-Chloroaniline	0.434	0.479	0.473	0.504	0.506	0.480	6.3	
Hexachlorobutadiene	0.169	0.180	0.169	0.181	0.188	0.177	4.9	*
4-Chloro-3-Methylphenol	0.262	0.297	0.301	0.356	0.364	0.316	14	*
2-Methylnaphthalene	0.681	0.724	0.682	0.742	-	0.709	4.0	
Hexachlorocyclopentadiene	0.163	0.188	0.194	0.219	0.215	0.215	21	**
2,4,6-Trichlorophenol	0.349	0.367	0.351	0.408	0.409	0.378	7.6	*
2,4,5-Trichlorophenol	1	0.379	0.354	0.381	0.371	0.371	3.3	
2-Chloronaphthalene	1.361	1.437	1.400	1.381	1.483	1.413	3.3	
2-Nitroaniline	1	0.347	0.330	0.383	0.380	0.361	4.3	
Dimethyl Phthalate	1.492	1.536	1.455	1.604	1.572	1.532	3.9	
Acenaphthylene	1.953	2.018	2.041	2.251	-	2.066	6.2	
3-Nitroaniline	1	0.274	0.278	0.244	0.310	0.281	5.6	
Acenaphthene	1.335	1.301	1.211	1.349	1.360	1.322	5.3	*
2,4-Dinitrophenol	1	0.067	0.087	0.064	0.152	0.094	38	**
4-Nitrophenol	1	0.176	0.150	0.140	0.215	0.158	25	**
Dibenzofuran	1.790	1.843	1.613	1.784	-	1.768	6.4	

Response Factor (subscript is the amount of nanograms)
$\overline{RF}$ - Average Response Factor
%RSD - Percent Relative Standard Deviation
CCC - Calibration Check Compounds (*)

SPCC - System Performance Check Compounds (**)
1 - Not detectable at 20 ng

Initial Calibration Data
Semivolatile HSL Compounds
(Page 2)

Case No: _____ Instrument ID: F2

Laboratory Name Sequoia Analytical Calibration Date: 11-17-88

Minimum $\overline{RF}$ for SPCC is 0.050 Maximum % RSD for CCC is 30%

Laboratory ID								
Compound	RF_{20}	RF_{50}	RF_{80}	RF_{120}	RF_{160}	$\overline{RF}$	% RSD	CCC* SPCC**
2,4-Dinitrotoluene	0.216	0.251	0.257	0.282	0.271	0.255	9.9	
2,6-Dinitrotoluene	0.217	0.261	0.277	0.270	0.333	0.263	14	
Diethylphthalate	1.507	1.467	1.431	1.511	1.581	1.499	3.8	
4-Chlorophenyl-phenylether	0.631	0.642	0.649	0.657	0.675	0.655	2.5	
Fluorene	1.374	1.405	1.426	1.391	1.494	1.418	3.3	
4-Nitroaniline	1	0.220	0.242	0.205	0.346	0.253	25	
4,6-Dinitro-2-Methylphenol	1	0.083	0.107	0.114	0.137	0.110	20	
N-Nitrosodiphenylamine (1)	0.636	0.621	0.655	0.717	0.686	0.663	5.8	*
4-Bromophenyl-phenylether	0.226	0.261	0.219	0.258	0.216	0.236	9.2	
Hexachlorobenzene	0.287	0.280	0.254	0.219	0.244	0.261	6.7	
Pentachlorophenol	1	0.123	0.113	0.115	0.148	0.125	13	*
Phenanthrene	1.273	1.241	1.273	1.249	-	1.269	1.1	
Anthracene	1.130	1.214	1.198	1.231	-	1.194	3.8	
Di-N-Butylphthalate	1.141	1.118	1.519	1.475	-	1.451	15	
Fluoranthene	0.925	1.066	1.062	1.137	1.040	1.046	7.4	**
Pyrene	1.974	2.429	2.530	1.345	2.221	2.100	22	
Butylbenzylphthalate	0.737	0.814	0.760	0.662	0.768	0.758	9.6	
3,3-Dichlorobenzidine	0.224	0.319	0.320	0.421	0.348	0.322	15	
Benzo(a)Anthracene	1.350	1.270	1.230	1.268	1.227	1.269	3.9	
bis(2-Ethylhexyl)Phthalate	0.923	1.119	0.915	0.941	1.001	0.977	8.6	
Chrysene	1.345	1.267	1.212	1.220	1.192	1.217	4.9	*
Di-n-Octyl Phthalate	1.575	2.841	1.855	1.853	2.228	2.070	24	
Benzo(b)Fluoranthene	1.691	1.974	1.724	1.882	1.581	1.830	6.5	
Benzo(k)Fluoranthene	1.412	1.815	1.475	1.366	1.550	1.524	12	
Benzo(a)Pyrene	1.410	1.499	1.479	1.561	1.696	1.461	5.0	*
Indeno(1,2,3-cd)Pyrene	0.997	1.194	1.161	1.145	1.166	1.133	6.9	
Dibenz(a,h)Anthracene	1.082	1.138	1.188	1.092	1.129	1.126	3.7	
Benzo(g,h,i)Perylene	1.063	1.182	1.273	1.200	1.102	1.164	7.1	

Response Factor (subscript is the amount of nanograms)
$\overline{RF}$ -Average Response Factor
%RSD -Percent Relative Standard Deviation
CCC -Calibration Check Compounds (*)

SPCC -System Performance Check Compounds (**)
1 -Not detectable at 20 ng
(1) -Cannot be separated from diphenylamine

GC/MS EXTRACTION LOG

Client	LAB #	ID Code	Frac #	Ext Type	Ext Date/ Analyst	Sample Vol	(mL) Final Vol	Location (Box #)	Conc Date Analyst
HARDING LAWSON	9010420 SPIKE	JCO-2 MS	B/N	3510	011289 EG.	500ml.	1ml.	9.	1-12-89 EG
HARDING LAWSON	9010420 SPIKE	"	A/E	3510	011289 "	500ml.	1ml.		
HARDING LAWSON	9010420 SPK DUP.	JCO-2 MSD	B/N	3510	011289 "	500ml.	1 ml.		
HARDING LAWSON	9010420 SPK DUP.	"	A/E	3510	011289 "	500ml.	1 ml.		
SEQUOIA	BLK011289	Ext Blank	B/N	3510	011289 "	500 ml.	1 ml.		
SEQUOIA	BLK011289	"	A/E	3510	011289 "	500 ml.	1 ml.		
HARDING LAWSON	9010420	JCO-2	B/N	3510	011289 "	400 ml.	1 ml.		
HARDING LAWSON	9010420	"	A/E	3510	011289	400 ml.	1 ml.		

Solvent Type/Volume/Lot #: MeCl2 / 60X3 / # 883908

Surrogate Spike: SV010589 A (500 uL)

Matrix Spike: SV120788 A (500 uL)

Notebook Reference: Page 15

Lab Narrative Attached: No ☐ Yes ☑

Comments:

LABORATORY NARRATIVE LOG

SAMPLE	FRACTION	INITIAL	PROBLEM AND SOLUTION OR WORK AROUND
9010420 SMRE	A/E	500 ml.	bumped on micro concentrator
			no sample lost

METHOD BLANK SUMMARY

Date 1-13-89 Laboratory Name Sequoia Analytical

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (HSL, TIC OR UNKNOWN)	CONC.	UNITS	CRQL
SVBLK0112	1-13-89	BNA	H_2O	L	F2		NONE DETECTED	-	ug/L	-

Comments:

FORM IV

WATER SURROGATE PERCENT RECOVERY SUMMARY

Date 1-13-89 Laboratory Name Sequoia Analytical

	VOLATILE			SEMI-VOLATILE								PESTICIDE
SAMPLE NO.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
BLK0112				62	72	109			25	54	54	
901042OBX				68	79	121			36	45	63	
901042OMS				82	87	105			21	23	34	
901042OSD				70	81	120			23	24	47	

VALUES ARE OUTSIDE OF REQUIRED QC LIMITS

Volatiles: _____ out of _____; outside of QC limits
Semi-Volatiles: Ø out of 24; outside of QC limits
Pesticides: _____ out of _____; outside of QC limits

Comments: _____

GC/MS TUNING AND MASS CALIBRATION

Decafluorotriphenylphosphine (DFTPP)

Case No. _____ Contractor Segovia Contract No. _____

Instrument ID F2 Date 1-13-89 Time 08:29

Lab ID DFT011389 Data Release Authorized By: Wendy Amundsen

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.6
68	less than 2.0% of mass 69	0.86 (1.42)[1]
69	mass 69 relative abundance	60.1
70	less than 2.0% of mass 69	0.37 (0.60)[1]
127	40.0 - 60.0% of mass 198	55.1
197	less than 1.0% of mass 198	Ø
198	base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	6.42
275	10.0 - 30.0% of mass 198	17.6
365	greater than 1.00% of mass 198	1.71
441	present, but less than mass 443	WO ~~48.7~~ 7.79
442	greater than 40.0% of mass 198	WO ~~7.79~~ 48.7
443	17.0 - 23.0% of mass 442	8.31 (17.1)[2]

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

[1] Value in parenthesis is % mass 69
[2] Value in parenthesis is % mass 442

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
HSL STD SV121288A	SVSTD0113A	1-13-89	10:10
Ext. Blank	SVBLK0112	↓	12:07
JCD-2	SV9010420RX	↓	13:21
JCD-2 MS	SV9010420MS	↓	14:15
JCD-2 MSD	SV9010420SD	↓	15:23

FORM V

7/85

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number: Laboratory: Sequoia Analytical Contract:
Inst ID: ~~FINN~~ F2 Sens Date: 01/13/89 Sens Time: 8:25:00
Lab ID: DFT011389 Cali Date: Analyst: JJS

Data release authorized by: Wendy Amundson

m/z	Ion Abundance Criteria	Spec # 635	
51	30 to 60% of mass 198	59.61	
68	less than 2% of mass 69	0.86	(1.42) 1
69	mass 69 relative abundance	60.06	
70	less than 2% of mass 69	0.37	(0.61) 1
127	40 to 60% of mass 198	55.08	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 to 9% of mass 198	6.42	
275	10 to 30% of mass 198	17.62	
365	greater than 1% of mass 198	1.71	
441	less than mass 443	7.79	
442	greater than 40% of mass 198	48.67	
443	17 to 23% of mass 442	8.31	(17.08) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

MID Mass List
01/13/89 8:25:00 + 7:08
Sample: DFTPP STD SV113088A (50NG)
Conds.: SEMI VOLATILE
#635 to #636 summed - #632

Data: DF1011389 # 635
Cali: CALTAB # 3

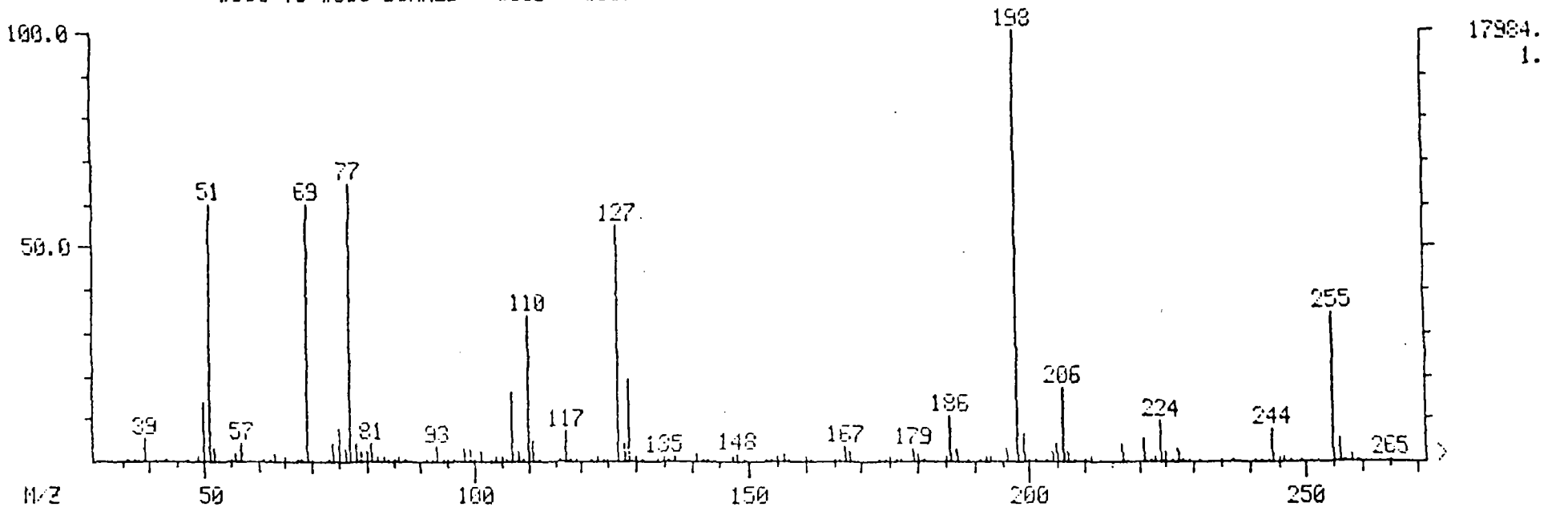
Base m/z: 198
RIC: 145920.

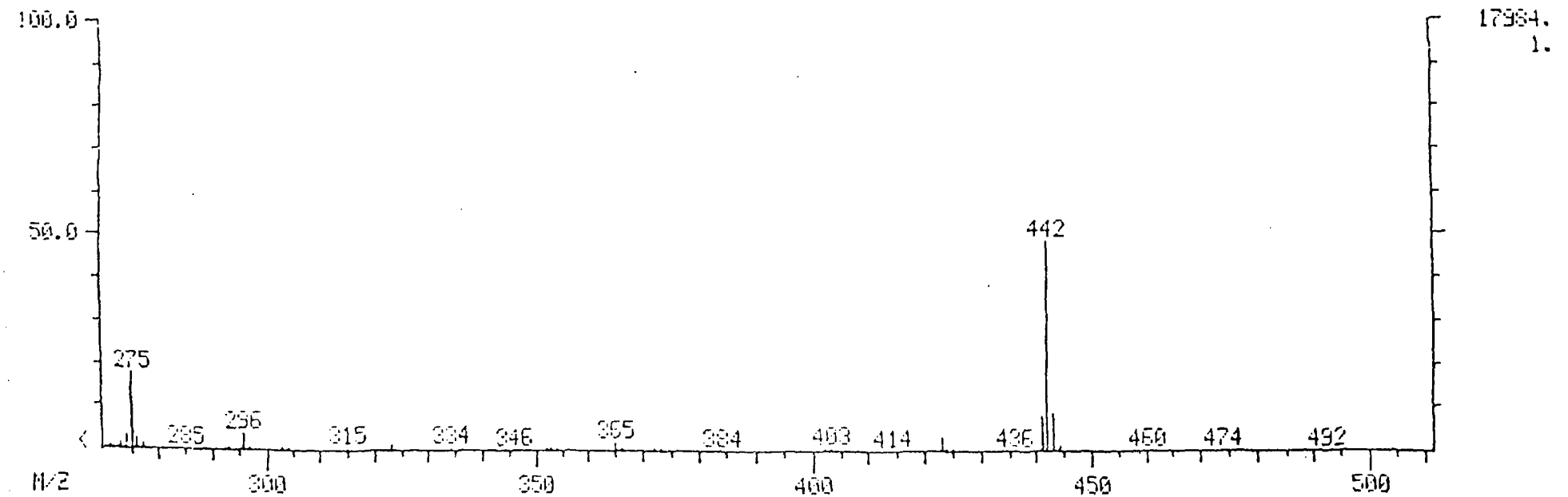
36		0.00	1.	Minima	Min	Inten:	134.
495				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
39?	S	5.58	1003.	156	S	1.60	287.
49?	S	1.01	181.	160	S	1.10	197.
50?	S	13.77	2476.	161	S	0.79	141.
51?	S	59.61	10720.	167	S	3.79	680.
52?	S	3.14	563.	168	S	2.26	406.
56?	S	1.93	347.	175	S	1.36	244.
57?	S	4.41	792.	176	S	0.76	136.
61?	S	0.77	137.	179	S	2.92	525.
62?	S	0.77	137.	180	S	1.95	349.
63?	S	1.88	338.	185	S	1.08	193.
65?	S	1.08	193.	186	S	10.65	1914.
68?	S	0.86	153.	187	S	2.77	498.
69	S	60.06	10800.	192	S	1.01	180.
74	S	4.41	792.	193	S	1.06	190.
75	S	7.93	1426.	196	S	2.75	493.
76	S	3.02	542.	198	S	100.00	17984.
77	S	64.77	11648.	199	S	6.42	1154.
78	S	4.13	742.	204	S	2.19	393.
79	S	2.33	419.	205	S	4.05	728.
80	S	2.36	423.	206	S	17.29	3108.
81	S	4.19	753.	207	S	2.26	406.
82	S	1.19	213.	211	S	0.95	170.
83	S	0.99	178.	217	S	3.97	713.
86	S	1.08	193.	221	S	5.42	973.
91	S	0.84	151.	222	S	0.84	151.
92	S	0.81	144.	223	S	1.13	202.
93	S	3.80	682.	224	S	9.40	1690.
98	S	2.89	518.	225	S	2.17	390.
99	S	3.30	592.	227	S	3.01	541.
101	S	2.21	397.	244	S	7.52	1352.
104	S	1.18	211.	245	S	1.20	215.
105	S	1.41	252.	246	S	1.15	206.
107	S	16.20	2912.	255	S	34.88	6272.
108	S	2.52	453.	256	S	5.19	932.
110	S	33.86	6088.	258	S	1.65	296.
111	S	4.58	823.	273	S	1.21	217.
117	S	7.12	1280.	274	S	2.98	535.
123	S	1.07	192.	275	S	17.62	3168.
127	S	55.08	9904.	276	S	2.51	451.
128	S	4.16	747.	277	S	1.08	193.
129	S	19.11	3436.	296	S	3.51	630.
130	S	1.44	258.	323	S	1.25	224.
135	S	1.24	223.	334	S	0.85	152.
137	S	1.13	203.	365		1.71	306.
141	S	1.85	332.	372	S	0.75	134.
142	S	0.78	139.	423	S	3.07	552.
147	S	0.92	164.	441	S	7.79	1400.
148	S	1.67	300.	442	S	48.67	8752.
153	S	0.87	156.	443	S	8.31	1494.
155	S	1.21	217.	444	S	0.95	170.

MID MASS SPECTRUM
01/13/89 3:25:00 + 7:08
SAMPLE: DFTPP STD SV113089A (50NG)
CONDS.: SEMI VOLATILE
GC TEMP:-491 DEG. C
#635 TO #636 SUMMED - #632 - #637

DATA: DFT011389 #635
CALI: CALTAB #3

BASE M/Z: 198
RIC: 145920.





Continuing Calibration Check
Semivolatile HSL Compounds
(Page 1)

Case No: _____

Laboratory Name: Sequoia Analytical

Instrument ID: F2

Calibration Date: 1-13-89

Time: 10:10

Laboratory ID: SVSTD0113A

Initial Calibration Date: 11-17-88

Minimum RF for SPCC is 0.050 Maximum %D for CCC is 30%

Compound	RF	RF_{50}	%D	CCC	SPCC
Phenol	2.648	2.390	-9.7	•	
bis(-2-Chloroethyl)Ether	2.277	2.243	-1.5		
2-Chlorophenol	1.836	1.771	-3.5		
1,3-Dichlorobenzene	1.920	1.843	-4.0		
1,4-Dichlorobenzene	2.060	1.810	-12	•	
Benzyl Alcohol	1.182	1.046	-12		
1,2-Dichlorobenzene	1.951	1.756	-10		
2-Methylphenol	1.592	1.554	-2.4		
bis(2-chloroisopropyl)Ether	1.296	1.382	+6.6		
4-Methylphenol	1.911	1.655	-13		
N-Nitroso-Di-n-Propylamine	1.671	1.607	-		••
Hexachloroethane	0.834	0.766	-8.2		
Nitrobenzene	0.468	0.493	+5.3		
Isophorone	0.946	1.002	+5.9		
2-Nitrophenol	0.189	0.198	+4.8	•	
2,4-Dimethylphenol	0.379	0.353	-6.9		
Benzoic Acid]	0.079	0.162	+105		
bis(-2-Chloroethoxy)Methane	0.595	0.618	+4.0		
2,4-Dichlorophenol	0.305	0.301	-1.3	•	
1,2,4-Trichlorobenzene	0.344	0.327	-4.7		
Naphthalene	1.253	1.125	-10		
4-Chloroaniline	0.480	0.507	+5.6		
Hexachlorobutadiene	0.177	0.161	-9.0	•	
4-Chloro-3-Methylphenol	0.316	0.378	+20	•	
2-Methylnaphthalene	0.709	0.622	-12		
Hexachlorocyclopentadiene	0.215	0.203	-		••
2,4,6-Trichlorophenol	0.378	0.389	+2.9	•	
2,4,5-Trichlorophenol]	0.371	0.408	+10		
2-Chloronaphthalene	1.413	1.373	-2.8		
2-Nitroaniline]	0.360	0.559	+55		
Dimethyl Phthalate	1.532	1.532	0		
Acenaphthylene	2.066	2.091	+1.2		
3-Nitroaniline]	0.281	0.426	+48		
Acenaphthene	1.322	1.433	+8.3	•	
2,4-Dinitrophenol]	0.098	0.121	-		••
4-Nitrophenol]	0.158	0.154	-		••
Dibenzofuran	1.768	1.854	+4.9		

RF_{50} - Response Factor from daily standard file at concentration indicated (50 total nanograms)

RF - Average Response Factor from initial calibration Form VI

] - Due to low response, analyze at 80 total nanograms

%D - Percent Difference

CCC - Calibration Check Compounds (•)

SPCC - System Performance Check Compounds (••)

Continuing Calibration Check
Semivolatile HSL Compounds
(Page 2)

Case No: _____

Laboratory Name: Sequoia Analytical

Instrument ID: F2

Calibration Date: 1-13-89

Time: 10:10

Laboratory ID: SVSTD013A

Initial Calibration Date: 11-17-88

Minimum RF for SPCC is 0.050

Maximum %D for CCC is 30%

Compound	RF	RF_{50}	%D	CCC	SPCC
2,4-Dinitrotoluene	0.255	0.305	+20		
2,6-Dinitrotoluene	0.263	0.394	+50		
Diethylphthalate	1.499	1.665	+11		
4-Chlorophenyl-phenylether	0.655	0.649	-0.9		
Fluorene	1.418	1.481	+4.4		
4-Nitroaniline 1	0.253	0.339	+34		
4,6-Dinitro-2-Methylphenol 1	0.110	0.115	+4.5		
N-Nitrosodiphenylamine (1)	0.663	0.675	+1.8	•	
4-Bromophenyl-phenylether	0.236	0.218	-7.6		
Hexachlorobenzene	0.261	0.248	-7.1		
Pentachlorophenol 1	0.134	0.137	+2.2	•	
Phenanthrene	1.269	1.310	+3.2		
Anthracene	1.194	1.243	+4.1		
Di-N-Butylphthalate	1.451	1.609	+11		
Fluoranthene	1.041	1.193	+14	•	
Pyrene	2.100	1.711	-18		
Butylbenzylphthalate	0.758	0.869	+15		
3,3-Dichlorobenzidine	0.354	0.344	-2.8		
Benzo(a)Anthracene	1.269	1.465	+15		
bis(2-Ethylhexyl)Phthalate	0.980	1.302	+33		
Chrysene	1.241	1.186	-4.9	•	
Di-n-Octyl Phthalate	2.070	3.611	+74		
Benzo(b)Fluoranthene	1.830	2.086	+14		
Benzo(k)Fluoranthene	1.524	1.565	+2.7		
Benzo(a)Pyrene	1.461	1.552	+6.2	•	
Indeno(1,2,3-cd)Pyrene	1.133	1.065	-6.0		
Dibenz(a,h)Anthracene	1.126	1.026	-8.9		
Benzo(g,h,i)Perylene	1.164	1.057	-9.2		

RF_{50} - Response Factor from daily standard low at concentration indicated (50 total nanograms)

RF - Average Response Factor from initial calibration Form VI

%D - Percent Difference

1 - Due to low response, analyze at 80 total nanograms

CCC - Calibration Check Compounds (•)

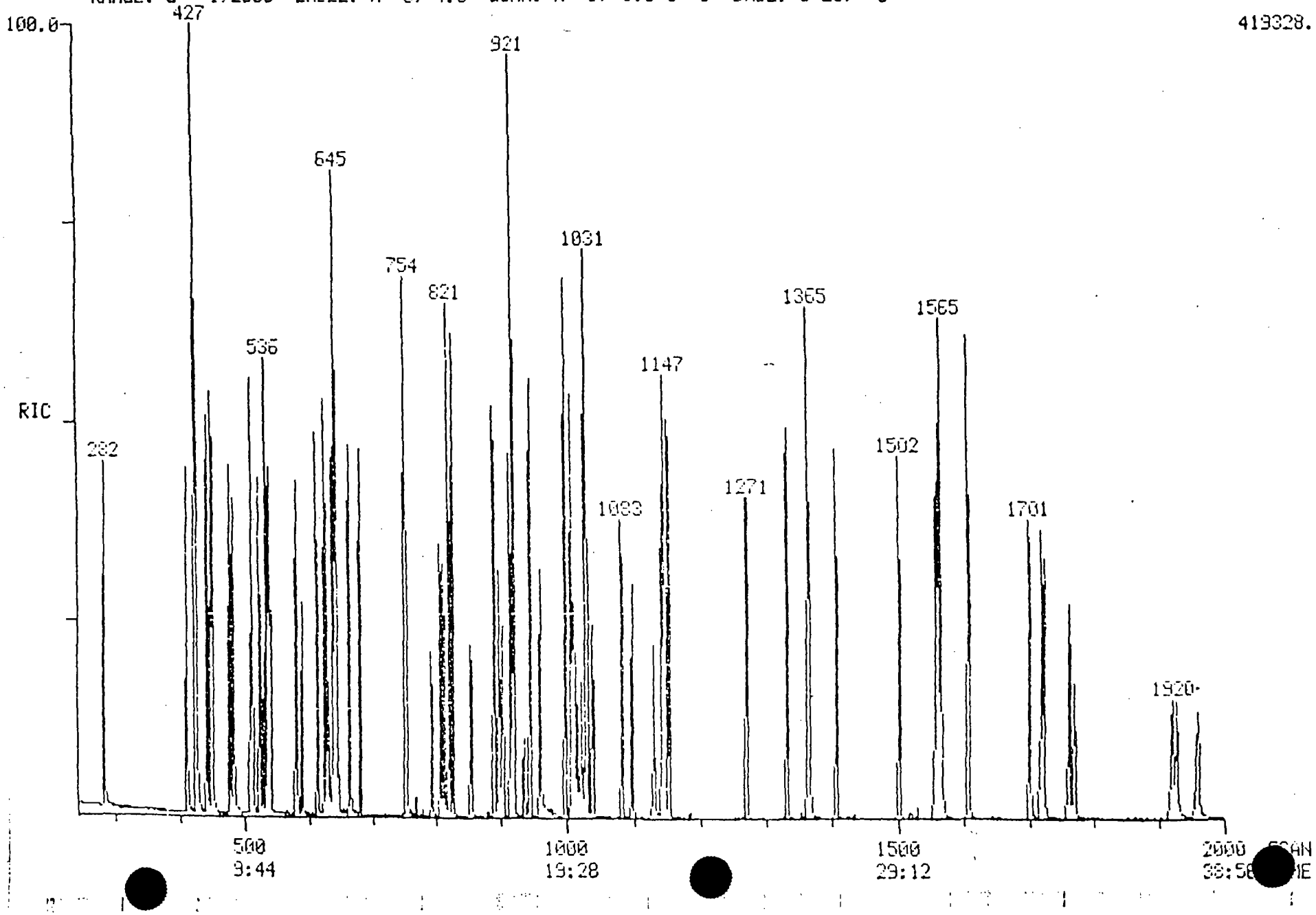
SPCC - System Performance Check Compounds (••)

(1) - Cannot be separated from diphenylamine

Form VII

MID RIC
01/13/89 10:10:00
SAMPLE: HSL STD SV121288A (50NG)
CONDS.: SEMI VOLATILE
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: SVSTD0113A #1 SCANS 240 TO 2000
CALI: SVSTD0113A #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 10:50:2
DATA FILE: SVSTD0113A
REFERENCE: TAB11
NAME LIST: SVMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SVSTDS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	2	31	12	12	1	47	SVSTDS/SVSURR
6	6	1	31	17	16	2	45	SVSTDS/SV1
6	6	1	31	17	17	8	26	SVSTDS/SV2
6	6	1	31	17	17	4	21	SVSTDS/SV3
6	6	1	31	17	17	1	43	SVSTDS/SV4
6	6	1	31	17	17	8	45	SVSTDS/SV5
6	6	1	31	19	19	16	52	SVSTDS/SV6

80 COMPOUNDS PROCESSED, 79 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------									
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PEAKS
1	SV	1	450	450	450	.	1	990	.	152	450	.
2	SV	2	641	642	642	.	1	987	.	136	642	.
3	SV	3	915	916	916	.	1	987	.	164	916	.
4	SV	4	1142	1143	1143	.	2	989	.	188	1143	.
5	SV	5	1559	1561	1561	.	1	901	.	240	1561	.
6	SV	6	1768	1770	1770	.	1	883	.	264	1770	.
7	SV	7	283	283	282	-1	1	993	.	112	282	.
8	SV	8	425	425	425	.	1	992	.	99	425	.
9	SV	9	537	537	538	1	1	992	.	82	538	.
10	SV	10	820	821	821	.	1	998	.	172	821	.
11	SV	11	1040	1041	1041	.	1	979	.	332	1041	.
12	SV	12	1406	1408	1407	-1	1	965	.	244	1407	.
13	SV	13	-213	213	.	.	.	.	.	74	.	.
14	SV	14	426	427	427	.	1	949	.	94	427	.
15	SV	15	412	412	412	.	1	1000	.	93	412	.
16	SV	16	427	428	427	-1	1	973	.	93	427	.
17	SV	17	425	426	426	.	1	973	.	128	426	.
18	SV	18	443	444	444	.	1	984	.	146	444	.
19	SV	19	452	453	452	-1	2	997	.	146	452	.
20	SV	20	483	484	484	.	1	999	.	108	484	.
21	SV	21	478	479	478	-1	1	993	.	146	478	.
22	SV	22	511	512	512	.	1	989	.	108	512	.
23	SV	23	509	510	510	.	1	993	.	45	510	.
24	SV	24	535	536	536	.	2	1000	.	108	536	.
25	SV	25	530	531	531	.	2	991	.	70	531	.
26	SV	26	523	524	524	.	1	1000	.	117	524	.
27	SV	27	540	541	541	.	1	995	.	77	541	.
28	SV	28	580	581	581	.	1	998	.	82	581	.
29	SV	29	589	590	590	.	1	997	.	139	590	.
30	SV	30	613	614	614	.	1	998	.	122	614	.
31	SV	31	644	645	645	.	2	839	.	122	.	.
32	SV	32	625	626	626	.	1	997	.	93	626	.
33	SV	33	629	630	630	.	1	996	.	162	630	.
34	SV	34	638	639	639	.	1	996	.	180	639	.
35	SV	35	644	645	645	.	1	998	-1	128	645	.
36	SV	36	664	665	665	.	1	989	.	127	665	.
37	SV	37	681	682	682	.	1	996	.	225	682	.
38	SV	38	751	752	752	.	1	995	.	107	752	.
39	SV	39	753	754	754	.	1	997	.	141	754	.
40	SV	40	792	793	793	.	1	993	.	237	793	.
41	SV	41	806	807	807	.	2	998	.	196	807	.
42	SV	42	811	812	812	.	2	995	.	196	812	.
43	SV	43	826	827	827	.	1	998	.	162	827	.
44	SV	44	853	854	854	.	1	991	.	65	854	.
45	SV	45	897	898	898	.	1	993	.	163	898	.
46	SV	46	889	890	890	.	1	974	.	152	890	.
47	SV	47	919	920	920	.	1	968	.	138	920	.
48	SV	48	920	921	921	.	1	979	.	153	921	.
49	SV	49	934	935	936	1	1	981	.	184	936	.
50	SV	50	-959	960	961	1	1	922	.	109	961	.
51	SV	51	946	947	947	.	1	1000	.	168	947	.
52	SV	52	902	903	903	.	1	992	.	165	903	.
53	SV	53	960	961	961	.	1	995	.	89	962	1
54	SV	54	1011	1012	1013	1	1	998	.	149	1013	.
55	SV	55	1008	1009	1009	.	1	995	.	204	1009	.
56	SV	56	999	1000	1000	.	1	961	.	166	1000	.
57	SV	57	1015	1016	1017	1	2	972	.	138	1017	.
58	SV	58	1022	1023	1024	1	1	989	.	198	1024	.
59	SV	59	1030	1031	1031	.	1	998	.	169	1031	.
60	SV	60	1082	1083	1083	.	1	996	.	248	1083	.
61	SV	61	1097	1098	1098	.	1	985	.	284	1098	.
62	SV	62	1129	1130	1130	.	1	981	.	266	1130	.
63	SV	63	1145	1146	1146	.	2	997	.	178	1146	.
64	SV	64	1152	1153	1153	.	2	999	.	178	1153	.

65	SV	65	1269	1270	1270	.	1	996	.	149	1270	.	1
66	SV	66	1331	1332	1333	1	1	922	.	202	1332	-1	1
67	SV	67	1364	1366	1365	-1	1	986	.	184	1365	.	1
68	SV	68	1363	1364	1365	1	1	954	.	202	1365	.	1
69	SV	69	1501	1502	1502	.	1	997	.	149	1502	.	1
70	SV	70	1565	1566	1566	.	1	984	.	252	1566	.	1
71	SV	71	1557	1558	1558	.	2	959	.	228	1558	.	1
72	SV	72	1607	1608	1608	.	1	997	.	149	1608	.	1
73	SV	73	1563	1564	1565	1	2	939	.	228	1565	.	1
74	SV	74	1700	1701	1701	.	1	996	.	149	1701	.	1
75	SV	75	1718	1719	1720	1	2	964	.	252	1720	.	1
76	SV	76	1722	1723	1724	1	2	955	.	252	1724	.	1
77	SV	77	1761	1763	1762	-1	1	926	.	252	1762	.	1
78	SV	78	1919	1921	1920	-1	1	903	.	276	1920	.	1
79	SV	79	1925	1927	1927	.	1	888	.	278	1927	.	1
80	SV	80	1958	1960	1959	-1	1	910	.	276	1959	.	1

Quantitation Report File: SVSTD0113A

Data: SVSTD0113A.TI
01/13/89 10:10:00
Sample: HSL STD SV121286A (50NG)
Conds.: SEMI VOLATILE
Formula: EPA METHOD 8270 Instrument: FINN Weight: 1.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	1,4-DICHLOROBENZENE-D4 (IS1)
2	NAPHTHALENE-D8 (IS2)
3	ACENAPHTHENE-D10 (IS3)
4	PHENANTHRENE-D10 (IS4)
5	CHRYSENE-D10 (IS5)
6	PERYLENE-D12 (IS6)
7	2-FLUOROPHENOL (SA1)
8	PHENOL-D6 (SA2)
9	NITROBENZENE-D5 (SD1)
10	2-FLUOROBIPHENYL (SB2)
11	2,4,6-TRIBROMOPHENOL (SA3)
12	TERPHENYL-D14 (SD3)
13	N-NITROSODIMETHYLAMINE
14	PHENOL (*)
15	ANILINE
16	BIS(2-CHLOROETHYL)ETHER
17	2-CHLOROPHENOL
18	1,3-DICHLOROBENZENE
19	1,4-DICHLOROBENZENE (*)
20	BENZYL ALCOHOL
21	1,2-DICHLOROBENZENE
22	2-METHYLPHENOL
23	BIS(2-CHLOROISOPROPYL)ETHER
24	4-METHYLPHENOL
25	N-NITROSO-DI-N-PROPYLAMINE (**)
26	HEXACHLOROETHANE
27	NITROBENZENE
28	ISOPHORONE
29	2-NITROPHENOL (*)
30	2,4-DIMETHYLPHENOL
31	BENZOIC ACID
32	BIS(2-CHLOROETHOXY)METHANE
33	2,4-DICHLOROPHENOL (*)
34	1,2,4-TRICHLOROBENZENE
35	NAPHTHALENE
36	4-CHLOROANILINE
37	HEXACHLOROBUTADIENE (*)
38	4-CHLORO-3-METHYLPHENOL (*)
39	2-METHYLNAPHTHALENE
40	HEXACHLOROCYCLOPENTADIENE (**)
41	2,4,6-TRICHLOROPHENOL (*)
42	2,4,5-TRICHLOROPHENOL
43	2-CHLORONAPHTHALENE
44	2-NITROANILINE
45	DIMETHYL PHTHALATE
46	ACENAPHTHYLENE
47	3-NITROANILINE

No	Name
48	ACENAPHTHENE
49	2,4-DINITROPHENOL (**)
50	4-NITROPHENOL (**)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	450	8:46	1	1.000	A BB	45682.	40.000	NG	1.00
2	136	642	12:30	2	1.000	A BV	179725.	40.000	NG	1.00
3	164	916	17:50	3	1.000	A BB	81446.	40.000	NG	1.00
4	188	1143	22:15	4	1.000	A BV	132306.	40.000	NG	1.00
5	240	1561	30:24	5	1.000	A BB	93144.	40.000	NG	1.00
6	264	1770	34:28	6	1.000	A BB	48183.	40.000	NG	1.00
7	112	282	5:29	1	0.627	A BB	90270.	50.001	%	1.24
8	99	425	8:16	1	0.945	A BB	113375.	50.000	%	1.24
9	82	538	10:28	2	0.839	A BB	102936.	100.001	%	2.48
10	172	821	15:59	3	0.897	A BB	140357.	100.001	%	2.48
11	332	1041	20:16	3	1.137	A BB	15898.	50.001	%	1.24
12	244	1407	27:24	5	0.902	A BB	136047.	100.001	%	2.48
13	NOT	FOUND								
14	94	427	8:19	1	0.949	A BB	136429.	50.000	NG	1.24
15	93	412	8:01	1	0.916	A BB	153995.	50.001	NG	1.24
16	93	427	8:19	1	0.949	A VB	128038.	50.001	NG	1.24
17	128	426	8:18	1	0.947	A BB	101106.	50.000	NG	1.24
18	146	444	8:39	1	0.987	A BV	105212.	50.001	NG	1.24
19	146	452	8:48	1	1.005	A VB	103740.	50.001	NG	1.24
20	108	484	9:25	1	1.076	A BB	59720.	50.001	NG	1.24
21	146	478	9:18	1	1.063	A BB	100259.	50.001	NG	1.24
22	108	512	9:58	1	1.138	A BV	88710.	50.001	NG	1.24
23	45	510	9:56	1	1.134	A BB	78912.	50.001	NG	1.24
24	108	536	10:26	1	1.192	A BB	94503.	50.001	NG	1.24
25	70	531	10:20	1	1.180	A BV	91712.	50.001	NG	1.24
26	117	524	10:12	1	1.165	A BB	43728.	50.001	NG	1.24
27	77	541	10:32	2	0.843	A VB	110671.	50.000	NG	1.24
28	82	581	11:19	2	0.905	A BV	225081.	50.000	NG	1.24
29	139	590	11:29	2	0.920	A BB	44271.	50.001	NG	1.24
30	122	614	11:57	2	0.957	A BV	79134.	50.001	NG	1.24
31	122	648	12:37	2	1.010	M XX	36176.	50.001	NG	1.24
32	93	626	12:11	2	0.976	A BV	138623.	50.000	NG	1.24
33	162	630	12:16	2	0.982	A BB	67486.	50.001	NG	1.24
34	180	639	12:26	2	0.996	A BB	73316.	50.001	NG	1.24
35	128	645	12:33	2	1.005	A BB	252595.	50.001	NG	1.24
36	127	665	12:57	2	1.036	A BB	113702.	50.001	NG	1.24
37	225	682	13:17	2	1.063	A BB	36093.	50.001	NG	1.24
38	107	752	14:38	2	1.172	A BB	84733.	50.001	NG	1.24
39	141	754	14:41	2	1.175	A BV	139560.	50.001	NG	1.24
40	237	793	15:26	3	0.866	A BB	20610.	50.001	NG	1.24
41	196	807	15:43	3	0.882	A BV	39536.	50.001	NG	1.24
42	196	812	15:49	3	0.887	A VV	41483.	50.001	NG	1.24
43	162	827	16:06	3	0.903	A BB	139709.	50.001	NG	1.24
44	65	854	16:38	3	0.933	A BB	56877.	50.001	NG	1.24
45	163	898	17:29	3	0.981	A BV	155938.	50.001	NG	1.24
46	152	890	17:20	3	0.972	A BV	212808.	50.001	NG	1.24
47	138	920	17:55	3	1.005	A BB	43358.	50.001	NG	1.24
48	153	921	17:56	3	1.006	A BB	145923.	50.001	NG	1.24
49	184	936	18:13	3	1.022	A BB	12237.	50.001	NG	1.24
50	109	961	18:43	3	1.050	A BB	16146.	50.001	NG	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:15	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	30:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	34:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:29	1.00	0.627	1.00	50.01	50.00	1.581	1.581	1.00
8	8:16	1.00	0.945	1.00	50.00	50.00	1.986	1.986	1.00
9	10:28	1.00	0.839	1.00	100.01	100.00	0.230	0.230	1.00
10	15:59	1.00	0.897	1.00	100.01	100.00	0.690	0.690	1.00
11	20:16	1.00	1.137	1.00	50.01	50.00	0.157	0.157	1.00
12	27:24	1.00	0.902	1.00	100.01	100.00	0.585	0.585	1.00
13	5:38		0.545						
14	8:19	1.00	0.949	1.00	50.00	50.00	2.390	2.390	1.00
15	8:01	1.00	0.916	1.00	50.01	50.00	2.697	2.697	1.00
16	8:19	1.00	0.949	1.00	50.01	50.00	2.243	2.243	1.00
17	8:18	1.00	0.947	1.00	50.00	50.00	1.771	1.771	1.00
18	8:39	1.00	0.987	1.00	50.01	50.00	1.843	1.843	1.00
19	8:48	1.00	1.005	1.00	50.01	50.00	1.817	1.817	1.01
20	9:25	1.00	1.076	1.00	50.01	50.00	1.046	1.046	1.00
21	9:18	1.00	1.063	1.00	50.01	50.00	1.756	1.756	1.00
22	9:58	1.00	1.138	1.00	50.01	50.00	1.554	1.554	1.00
23	9:56	1.00	1.134	1.00	50.01	50.00	1.382	1.382	1.00
24	10:26	1.00	1.192	1.00	50.01	50.00	1.655	1.655	1.01
25	10:20	1.00	1.180	1.00	50.01	50.00	1.607	1.607	1.00
26	10:12	1.00	1.165	1.00	50.01	50.00	0.766	0.766	1.00
27	10:32	1.00	0.843	1.00	50.00	50.00	0.493	0.493	1.00
28	11:19	1.00	0.905	1.00	50.00	50.00	1.002	1.002	1.00
29	11:29	1.00	0.920	1.00	50.01	50.00	0.198	0.198	1.00
30	11:57	1.00	0.957	1.00	50.01	50.00	0.353	0.353	1.00
31	12:37	1.00	1.010	1.00	50.01	50.00	0.162	0.162	1.00
32	12:11	1.00	0.976	1.00	50.00	50.00	0.618	0.618	1.00
33	12:16	1.00	0.982	1.00	50.01	50.00	0.301	0.301	1.00
34	12:26	1.00	0.996	1.00	50.01	50.00	0.327	0.327	1.00
35	12:33	1.00	1.005	1.00	50.01	50.00	1.125	1.125	1.00
36	12:57	1.00	1.036	1.00	50.01	50.00	0.507	0.507	1.00
37	13:17	1.00	1.063	1.00	50.01	50.00	0.161	0.161	1.00
38	14:38	1.00	1.172	1.00	50.01	50.00	0.378	0.378	1.00
39	14:41	1.00	1.175	1.00	50.01	50.00	0.622	0.622	1.00
40	15:26	1.00	0.866	1.00	50.01	50.00	0.203	0.203	1.00
41	15:43	1.00	0.882	1.00	50.01	50.00	0.389	0.389	1.00
42	15:49	1.00	0.887	1.00	50.01	50.00	0.408	0.408	1.00
43	16:06	1.00	0.903	1.00	50.01	50.00	1.373	1.373	1.00
44	16:38	1.00	0.933	1.00	50.01	50.00	0.559	0.559	1.00
45	17:29	1.00	0.981	1.00	50.01	50.00	1.532	1.532	1.00
46	17:20	1.00	0.972	1.00	50.01	50.00	2.091	2.091	1.00
47	17:55	1.00	1.005	1.00	50.01	50.00	0.426	0.426	1.00
48	17:56	1.00	1.006	1.00	50.01	50.00	1.433	1.433	1.00
49	18:13	1.00	1.022	1.00	50.01	50.00	0.121	0.121	1.00
50	18:43	1.00	1.050	1.00	50.01	50.00	0.159	0.159	1.00

Quantitation Report File: SVSTD0113A

Data: SVSTD0113A.TI
01/13/89 10:10:00
Sample: HSL STD SV121288A (50NG)
Conds.: SEMI VOLATILE
Formula: EPA METHOD 8270 Instrument: FINN Weight: 1.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	DIBENZOFURAN
52	2,6-DINITROTOLUENE
53	2,4-DINITROTOLUENE
54	DIETHYL PHTHALATE
55	4-CHLOROPHENYL PHENYL ETHER
56	FLUORENE
57	4-NITROANILINE
58	4,6-DINITRO-2-METHYLPHENOL
59	N-NITROSODIPHENYLAMINE (*)
60	4-BROMOPHENYL PHENYL ETHER
61	HEXACHLOROBENZENE
62	PENTACHLOROPHENOL (*)
63	PHENANTHRENE
64	ANTHRACENE
65	DI-N-BUTYL PHTHALATE
66	FLUORANTHENE (*)
67	BENZIDINE
68	PYRENE
69	BUTYL BENZYL PHTHALATE
70	3,3'-DICHLOROBENZIDINE
71	BENZO(A)ANTHRACENE
72	BIS(2-ETHYLHEXYL) PHTHALATE
73	CHRYSENE
74	DI-N-OCTYL PHTHALATE
75	BENZO(B)FLUORANTHENE
76	BENZO(K)FLUORANTHENE
77	BENZO(A)PYRENE (*)
78	INDENO(1,2,3-CD)PYRENE
79	DIBENZO(A,H)ANTHRACENE
80	BENZO(GHI)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	168	947	18:26	3	1.034	A BB	188730.	50.001	NG	1.24
52	165	903	17:35	3	0.986	A BB	31012.	50.001	NG	1.24
53	87	962	18:44	3	1.051	A BB	40106.	50.001	NG	1.24
54	149	1013	19:43	3	1.106	A BB	169488.	50.001	NG	1.24
55	204	1009	19:39	3	1.102	A BB	65975.	50.001	NG	1.24
56	166	1000	19:28	3	1.092	A BB	150714.	50.001	NG	1.24
57	138	1017	19:48	3	1.111	A BV	34506.	50.000	NG	1.24
58	198	1024	19:56	4	0.896	A BB	18993.	50.001	NG	1.24
59	169	1031	20:04	4	0.903	A VB	111496.	50.000	NG	1.24
60	248	1083	21:05	4	0.948	A BB	36050.	50.001	NG	1.24
61	284	1098	21:23	4	0.961	A BB	40892.	50.001	NG	1.24
62	266	1130	22:00	4	0.989	A BV	22584.	50.001	NG	1.24
63	178	1146	22:19	4	1.003	A BV	216628.	50.001	NG	1.24

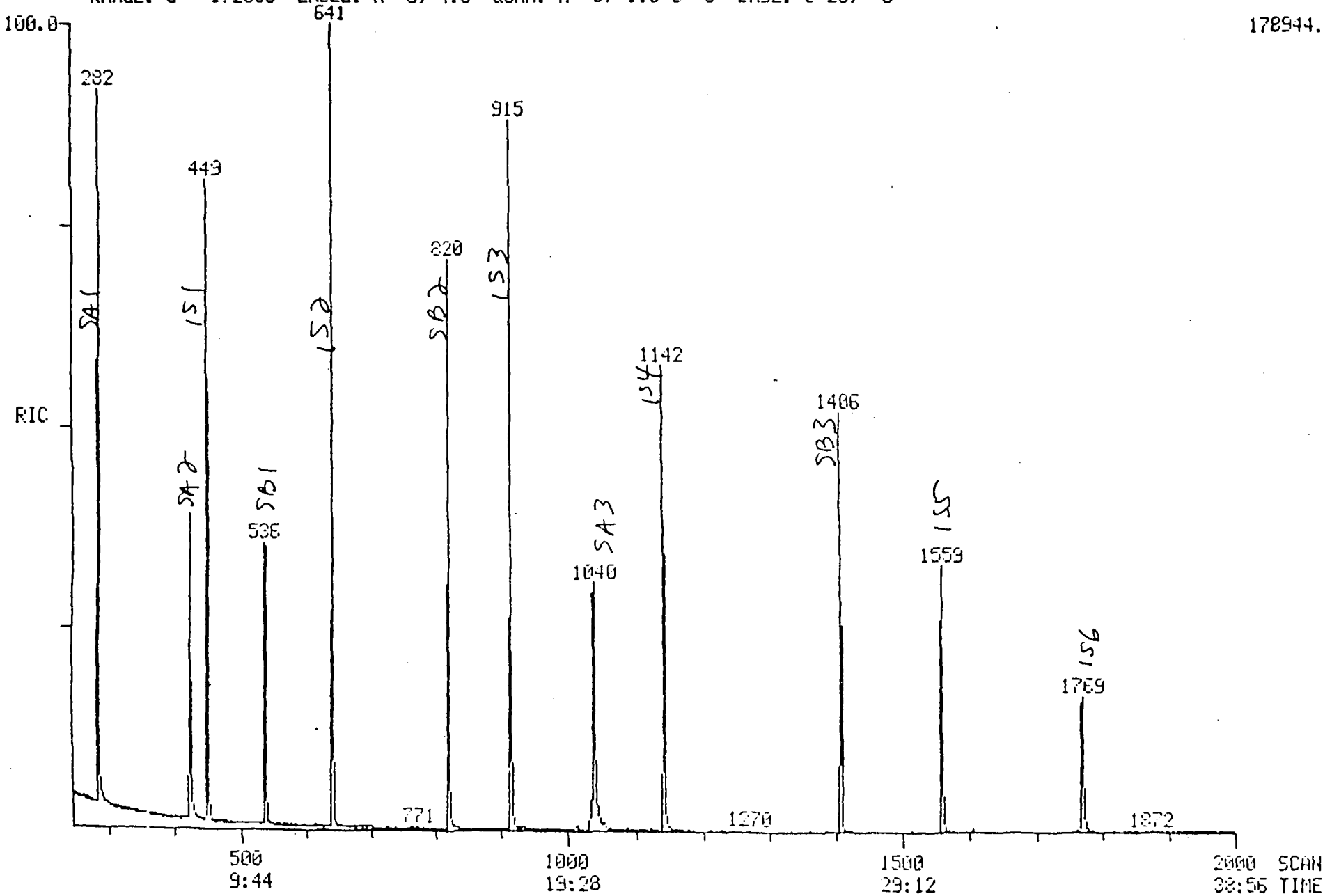
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
64	178	1153	22:27	4	1.009	A VB	205430.	50.001	NG	1.24
65	149	1270	24:44	4	1.112	A BV	265941.	50.001	NG	1.24
66	202	1332	25:56	4	1.166	A BV	197286.	50.001	NG	1.24
67	184	1365	26:35	5	0.875	A BB	32226.	50.001	NG	1.24
68	202	1365	26:35	5	0.875	A BB	199822.	50.001	NG	1.24
69	149	1502	29:15	5	0.963	A BB	101139.	50.001	NG	1.24
70	252	1566	30:29	5	1.004	A BB	40027.	50.001	NG	1.24
71	228	1558	30:20	5	0.999	A BV	170476.	50.001	NG	1.24
72	149	1608	31:18	5	1.031	A BB	151572.	50.001	NG	1.24
73	228	1565	30:28	5	1.003	A VB	137979.	50.001	NG	1.24
74	149	1701	33:07	6	0.962	A BB	217433.	50.001	NG	1.24
75	252	1720	33:29	6	0.972	A BV	125634.	50.001	NG	1.24
76	252	1724	33:34	6	0.975	A VB	94211.	50.001	NG	1.24
77	252	1762	34:18	6	0.996	A BB	93466.	50.001	NG	1.24
78	276	1920	37:23	6	1.085	A BV	64125.	50.001	NG	1.24
79	278	1927	37:31	6	1.089	A BB	61747.	50.001	NG	1.24
80	276	1959	38:09	6	1.107	A BB	63635.	50.001	NG	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:26	1.00	1.034	1.00	50.01	50.00	1.854	1.854	1.00
52	17:35	1.00	0.986	1.00	50.01	50.00	0.305	0.305	1.00
53	18:44	1.00	1.051	1.00	50.01	50.00	0.394	0.394	1.00
54	19:43	1.00	1.106	1.00	50.01	50.00	1.665	1.665	1.00
55	19:39	1.00	1.102	1.00	50.01	50.00	0.649	0.649	1.00
56	19:28	1.00	1.092	1.00	50.01	50.00	1.481	1.481	1.00
57	19:48	1.00	1.111	1.00	50.00	50.00	0.339	0.339	1.00
58	19:56	1.00	0.896	1.00	50.01	50.00	0.115	0.115	1.00
59	20:04	1.00	0.903	1.00	50.00	50.00	0.675	0.675	1.00
60	21:05	1.00	0.948	1.00	50.01	50.00	0.218	0.218	1.00
61	21:23	1.00	0.961	1.00	50.01	50.00	0.248	0.248	1.00
62	22:00	1.00	0.989	1.00	50.01	50.00	0.137	0.137	1.00
63	22:19	1.00	1.003	1.00	50.01	50.00	1.310	1.310	1.01
64	22:27	1.00	1.009	1.00	50.01	50.00	1.243	1.243	1.01
65	24:44	1.00	1.112	1.00	50.01	50.00	1.609	1.609	1.00
66	25:56	1.00	1.166	1.00	50.01	50.00	1.193	1.193	1.00
67	26:35	1.00	0.875	1.00	50.01	50.00	0.277	0.277	1.00
68	26:35	1.00	0.875	1.00	50.01	50.00	1.717	1.717	1.00
69	29:15	1.00	0.963	1.00	50.01	50.00	0.869	0.869	1.00
70	30:29	1.00	1.004	1.00	50.01	50.00	0.344	0.344	1.00
71	30:20	1.00	0.999	1.00	50.01	50.00	1.465	1.465	1.00
72	31:18	1.00	1.031	1.00	50.01	50.00	1.302	1.302	1.01
73	30:28	1.00	1.003	1.00	50.01	50.00	1.186	1.186	1.00
74	33:07	1.00	0.962	1.00	50.01	50.00	3.611	3.611	1.00
75	33:29	1.00	0.972	1.00	50.01	50.00	2.086	2.086	1.00
76	33:34	1.00	0.975	1.00	50.01	50.00	1.565	1.565	1.01
77	34:18	1.00	0.996	1.00	50.01	50.00	1.552	1.552	1.00
78	37:23	1.00	1.085	1.00	50.01	50.00	1.065	1.065	1.01
79	37:31	1.00	1.089	1.00	50.01	50.00	1.026	1.026	1.01
80	38:09	1.00	1.107	1.00	50.01	50.00	1.057	1.057	1.01

MID RIC
01/13/89 12:07:00
SAMPLE: EXTRACTION BLANK (500ML/2ML)
CONDS.: SEMI VOLATILE
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: SVBLK0112 #1
CALI: SVBLK0112 #3

SCANS 240 TO 2000



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 15:09:4
DATA FILE: SVBLK0112
REFERENCE: TAB11
NAME LIST: SVMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SVSTDS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	1	52	12	12	2	55	SVSTDS/SVSURR
6	6	1	52	17	6	1	52	SVSTDS/SV1
6	6	1	52	17	7	1	290	SVSTDS/SV2
6	6	1	52	17	6	1	52	SVSTDS/SV3
6	6	1	52	17	7	1	117	SVSTDS/SV4
6	6	1	52	17	9	1	276	SVSTDS/SV5
6	6	1	52	19	7	1	47	SVSTDS/SV6

80 COMPOUNDS PROCESSED, 18 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------ >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	SV	1	450	449	449	.	1	986	.	152	449	.	1
2	SV	2	641	640	641	1	1	984	.	136	641	.	1
3	SV	3	915	915	915	.	1	985	.	164	915	.	1
4	SV	4	1142	1142	1141	-1	1	986	.	188	1141	.	1
5	SV	5	1559	1559	1559	.	1	920	.	240	1559	.	1
6	SV	6	1768	1768	1768	.	1	934	.	264	1768	.	1
7	SV	7	283	282	282	.	1	994	.	112	282	.	1
8	SV	8	425	424	423	-1	2	978	.	99	423	.	1
9	SV	9	537	536	536	.	1	994	.	82	536	.	1
10	SV	10	820	819	820	1	1	999	.	172	820	.	1
11	SV	11	1040	1040	1040	.	1	959	.	332	1039	-1	1
12	SV	12	1406	1406	1406	.	1	967	.	244	1406	.	1
13	SV	13	-213	212	.	.	.	.	.	74	.	.	.
14	SV	14	426	425	.	.	.	.	.	94	424	.	1
15	SV	15	412	411	.	.	.	.	.	93	.	.	.
16	SV	16	427	426	.	.	.	.	.	93	.	.	.
17	SV	17	425	424	.	.	.	.	.	128	425	.	1
18	SV	18	443	442	.	.	.	.	.	146	.	.	.
19	SV	19	452	451	.	.	.	.	.	146	.	.	.
20	SV	20	483	482	.	.	.	.	.	108	.	.	.
21	SV	21	478	477	.	.	.	.	.	146	.	.	.
22	SV	22	511	510	.	.	.	.	.	108	.	.	.
23	SV	23	509	508	.	.	.	.	.	45	.	.	.
24	SV	24	535	537	.	.	.	.	.	108	.	.	.
25	SV	25	530	532	537	5	1	882	.	70	537	.	1
26	SV	26	523	525	.	.	.	.	.	117	.	.	.
27	SV	27	540	542	.	.	.	.	.	77	.	.	.
28	SV	28	580	581	.	.	.	.	.	82	.	.	.
29	SV	29	589	590	.	.	.	.	.	139	.	.	.
30	SV	30	613	614	.	.	.	.	.	122	.	.	.
31	SV	31	644	645	.	.	.	.	.	122	.	.	.
32	SV	32	625	626	.	.	.	.	.	93	.	.	.
33	SV	33	629	630	.	.	.	.	.	162	.	.	.
34	SV	34	638	639	.	.	.	.	.	180	.	.	.
35	SV	35	644	643	.	.	.	.	.	128	643	.	1
36	SV	36	664	663	.	.	.	.	.	127	.	.	.
37	SV	37	681	680	.	.	.	.	.	225	.	.	.
38	SV	38	751	751	.	.	.	.	.	107	.	.	.
39	SV	39	753	753	.	.	.	.	.	141	.	.	.
40	SV	40	792	792	.	.	.	.	.	237	.	.	.
41	SV	41	806	806	.	.	.	.	.	196	.	.	.
42	SV	42	811	811	.	.	.	.	.	196	.	.	.
43	SV	43	826	826	.	.	.	.	.	162	.	.	.
44	SV	44	853	853	.	.	.	.	.	65	.	.	.
45	SV	45	897	897	.	.	.	.	.	163	.	.	.
46	SV	46	889	886	.	.	.	.	.	152	887	.	1
47	SV	47	919	918	.	.	.	.	.	138	.	.	.
48	SV	48	920	919	.	.	.	.	.	153	.	.	.
49	SV	49	934	933	.	.	.	.	.	184	.	.	.
50	SV	50	-959	958	.	.	.	.	.	109	.	.	.
51	SV	51	946	945	943	-2	1	911	.	168	943	.	1
52	SV	52	902	901	.	.	.	.	.	165	.	.	.
53	SV	53	960	959	.	.	.	.	.	89	.	.	.
54	SV	54	1011	1010	.	.	.	.	.	149	1008	.	1
55	SV	55	1008	1007	.	.	.	.	.	204	1006	.	1
[illegible]	SV	56	999	998	.	.	.	.	.	166	.	.	.
[illegible]	SV	57	1015	1014	.	.	.	.	.	138	.	.	.
58	SV	58	1022	1021	.	.	.	.	.	198	.	.	.
59	SV	59	1030	1029	.	.	.	.	.	169	1029	.	1
60	SV	60	1082	1081	.	.	.	.	.	248	1079	.	1
61	SV	61	1057	1056	.	.	.	.	.	284	.	.	.
62	SV	62	1129	1129	.	.	.	.	.	266	.	.	.
63	SV	63	1145	1144	1144	.	1	992	.	178	1144	.	1
64	SV	64	1152	1151	1144	-7	1	989	.	178	1144	.	1

65	SV	65	1269	1268	1269	1	1	914	.	149	1269	.
66	SV	66	1331	1330	.	.	.	.	.	202	1331	.
67	SV	67	1364	1363	.	.	.	.	.	184	.	.
68	SV	68	1363	1363	.	.	.	.	.	202	1363	.
69	SV	69	1501	1501	.	.	.	.	.	149	.	.
70	SV	70	1565	1565	.	.	.	.	.	252	.	.
71	SV	71	1557	1557	.	.	.	.	.	228	1557	.
72	SV	72	1607	1607	1607	.	1	904	.	149	1607	.
73	SV	73	1563	1563	.	.	.	.	.	228	1562	.
74	SV	74	1700	1700	.	.	.	.	.	149	.	.
75	SV	75	1718	1718	.	.	.	.	.	252	1718	.
76	SV	76	1722	1722	.	.	.	.	.	252	1721	.
77	SV	77	1761	1761	.	.	.	.	.	252	1761	.
78	SV	78	1919	1919	.	.	.	.	.	276	.	.
79	SV	79	1925	1925	.	.	.	.	.	278	.	.
80	SV	80	1958	1958	.	.	.	.	.	276	.	.

Quantitation Report File: SVBLK0112

Data: SVBLK0112.TI
01/13/89 12:07:00
Sample: EXTRACTION BLANK (500ML/2ML)
Conds.: SEMI VOLATILE
Formula: EPA METHOD 8270 Instrument: FINN Weight: 4.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

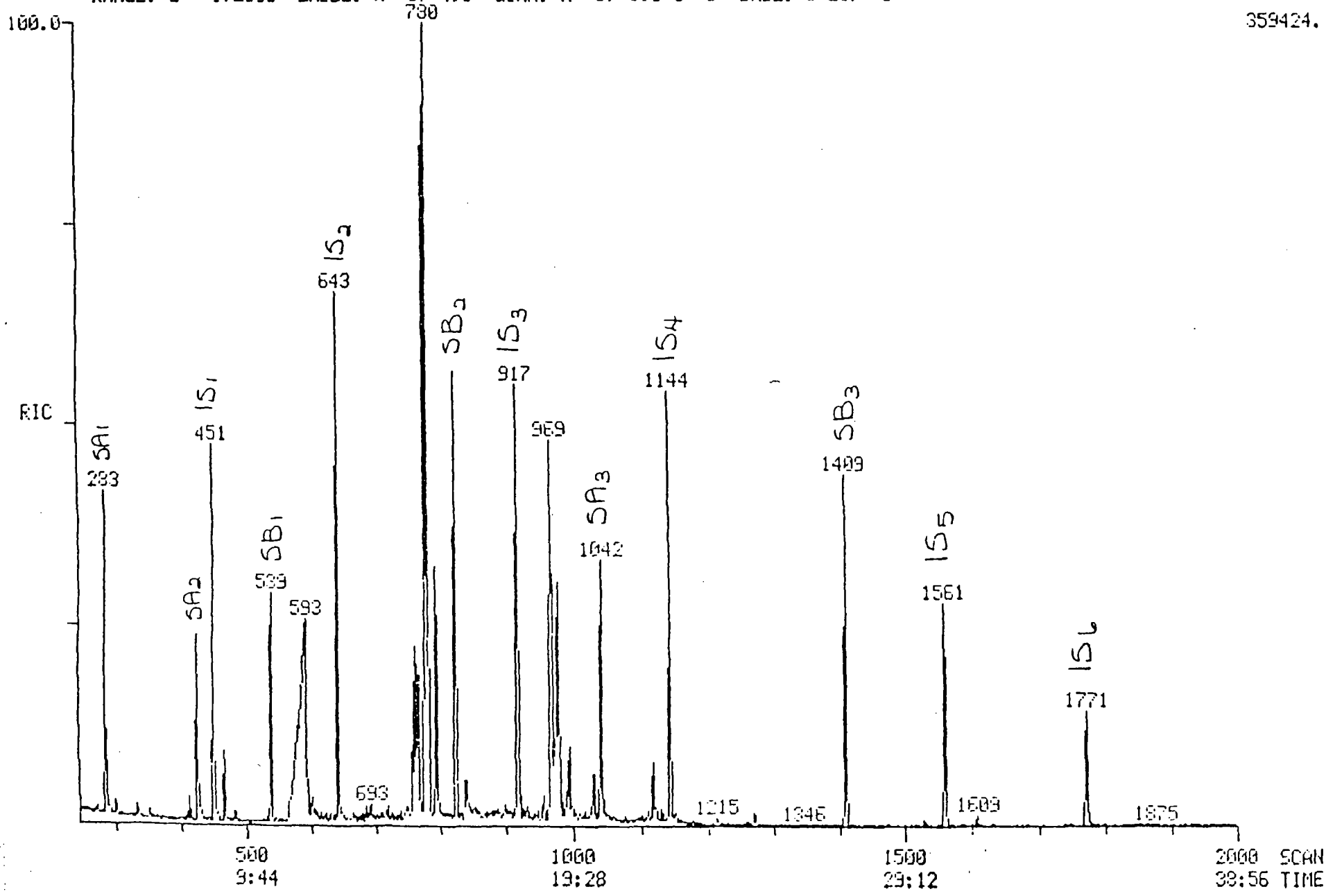
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	1,4-DICHLOROBENZENE-D4 (IS1)
2	NAPHTHALENE-D8 (IS2)
3	ACENAPHTHENE-D10 (IS3)
4	PHENANTHRENE-D10 (IS4)
5	CHRYSENE-D10 (IS5)
6	PERYLENE-D12 (IS6)
7	2-FLUOROPHENOL (SA1)
8	PHENOL-D6 (SA2)
9	NITROBENZENE-D5 (SB1)
10	2-FLUOROBIPHENYL (SB2)
11	2,4,6-TRIBROMOPHENOL (SA3)
12	TERPHENYL-D14 (SB3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	449	8:45	1	1.000	A BB	37518.	40.000 NG	6.49
2	136	641	12:29	2	1.000	A BB	141835.	40.000 NG	6.49
3	164	915	17:49	3	1.000	A BV	63002.	40.000 NG	6.49
4	188	1141	22:13	4	1.000	A BB	90239.	40.000 NG	6.49
5	240	1559	30:21	5	1.000	A BB	44336.	40.000 NG	6.49
6	264	1768	34:25	6	1.000	A BV	28834.	40.000 NG	6.49
7	112	282	5:29	1	0.629	A BB	80476.	54.275 %	8.80
8	99	423	8:14	1	0.943	A BB	46012.	24.708 %	4.01
9	82	536	10:26	2	0.837	A BB	50576.	62.260 %	10.10
10	172	820	15:58	3	0.897	A BB	78812.	72.589 %	11.77
11	332	1039	20:14	3	1.136	A BB	13333.	54.208 %	8.79
12	244	1406	27:22	5	0.902	A BB	70404.	108.720 %	17.63

MID RIC
01/13/89 13:21:00
SAMPLE: JCO-2 (400ML/2ML)
CONDS.: SEMI VOLATILE
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: SV9010420RX #1 SCANS 240 TO 2000
CALI: SV9010420RX #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 14:01:50
DATA FILE: SV9010420RX
REFERENCE: TAB11
NAME LIST: SVMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SVSTDS

---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	1	41	12	12	2	52	SVSTDS/SVSURR
6	6	1	41	17	6	1	41	SVSTDS/SV1
6	6	1	41	17	8	3	268	SVSTDS/SV2
6	6	1	41	17	6	1	41	SVSTDS/SV3
6	6	1	41	17	6	1	41	SVSTDS/SV4
6	6	1	41	17	9	1	286	SVSTDS/SV5
6	6	1	41	19	8	1	61	SVSTDS/SV6

80 COMPOUNDS PROCESSED, 19 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><						------ CHRO -------			
ND	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	SV	1	450	451	451	.	1	987	.	152	451	.	1
2	SV	2	641	643	643	.	1	987	.	136	643	.	1
3	SV	3	915	917	917	.	1	991	.	164	917	.	1
4	SV	4	1142	1144	1144	.	1	990	.	188	1144	.	1
5	SV	5	1559	1561	1561	.	1	933	.	240	1561	.	1
6	SV	6	1768	1771	1771	.	1	895	.	264	1771	.	1
7	SV	7	283	284	283	-1	2	998	.	112	283	.	1
8	SV	8	425	426	426	.	1	983	.	99	425	-1	1
9	SV	9	537	538	539	1	1	978	.	82	539	.	1
10	SV	10	820	822	822	.	1	999	.	172	822	.	1
11	SV	11	1040	1042	1042	.	1	976	.	332	1042	.	1
12	SV	12	1406	1409	1409	.	1	950	.	244	1408	-1	1
13	SV	13	-213	214	.	.	.	.	.	74	.	.	.
14	SV	14	426	427	.	.	.	.	.	94	427	.	1
15	SV	15	412	413	.	.	.	.	.	93	.	.	.
16	SV	16	427	428	.	.	.	.	.	93	.	.	.
17	SV	17	425	426	.	.	.	.	.	128	427	.	1
18	SV	18	443	444	.	.	.	.	.	146	.	.	.
19	SV	19	452	453	.	.	.	.	.	146	.	.	.
20	SV	20	483	484	.	.	.	.	.	108	.	.	.
21	SV	21	478	479	.	.	.	.	.	146	.	.	.
22	SV	22	511	512	.	.	.	.	.	108	.	.	.
23	SV	23	509	510	.	.	.	.	.	45	.	.	.
24	SV	24	535	538	.	.	.	.	.	108	538	.	1
25	SV	25	530	533	539	6	1	878	.	70	539	.	1
26	SV	26	523	526	.	.	.	.	.	117	.	.	.
27	SV	27	540	543	.	.	.	.	.	77	.	.	.
28	SV	28	580	583	.	.	.	.	.	82	.	.	.
29	SV	29	589	592	.	.	.	.	.	139	.	.	.
30	SV	30	613	616	.	.	.	.	.	122	.	.	.
31	SV	31	644	647	646	-1	3	995	.	122	645	-1	1
32	SV	32	625	628	.	.	.	.	.	93	.	.	.
33	SV	33	629	632	.	.	.	.	.	162	.	.	.
34	SV	34	638	641	.	.	.	.	.	180	.	.	.
35	SV	35	644	646	.	.	.	.	.	128	645	.	1
36	SV	36	664	666	.	.	.	.	.	127	.	.	.
37	SV	37	681	683	.	.	.	.	.	225	.	.	.
38	SV	38	751	753	.	.	.	.	.	107	751	.	1
39	SV	39	753	755	.	.	.	.	.	141	753	.	1
40	SV	40	792	794	.	.	.	.	.	237	.	.	.
41	SV	41	806	808	.	.	.	.	.	196	.	.	.
42	SV	42	811	813	.	.	.	.	.	196	.	.	.
43	SV	43	826	828	.	.	.	.	.	162	.	.	.
44	SV	44	853	855	.	.	.	.	.	65	857	.	1
45	SV	45	897	899	.	.	.	.	.	163	897	.	1
46	SV	46	889	891	.	.	.	.	.	152	.	.	.
47	SV	47	919	921	.	.	.	.	.	138	.	.	.
48	SV	48	920	922	.	.	.	.	.	153	921	.	1
49	SV	49	934	936	.	.	.	.	.	184	.	.	.
50	SV	50	-959	961	.	.	.	.	.	109	961	.	1
51	SV	51	946	948	.	.	.	.	.	168	.	.	.
52	SV	52	902	904	.	.	.	.	.	165	.	.	.
53	SV	53	960	962	.	.	.	.	.	89	.	.	.
54	SV	54	1011	1013	.	.	.	.	.	149	.	.	.
55	SV	55	1008	1010	.	.	.	.	.	204	.	.	.
56	SV	56	999	1001	.	.	.	.	.	166	1000	.	1
57	SV	57	1015	1016	.	.	.	.	.	138	.	.	.
58	SV	58	1022	1023	.	.	.	.	.	198	.	.	.
59	SV	59	1030	1031	.	.	.	.	.	169	1031	.	1
60	SV	60	1082	1083	.	.	.	.	.	242	.	.	.
61	SV	61	1097	1098	.	.	.	.	.	284	.	.	.
62	SV	62	1129	1130	.	.	.	.	.	266	1131	.	1
63	SV	63	1145	1146	1146	.	1	911	.	178	1146	.	1
64	SV	64	1192	1193	1146	-7	1	925	.	178	1146	.	1

65	SV	65	1269	1270	1271	1	1	990	.	149	1271	.
66	SV	66	1331	1332	.	.	.	.	.	202	1333	.
67	SV	67	1364	1365	.	.	.	.	.	184	.	.
68	SV	68	1363	1365	.	.	.	.	.	202	1365	.
69	SV	69	1501	1503	1502	-1	1	942	.	149	.	.
70	SV	70	1565	1567	.	.	.	.	.	252	.	.
71	SV	71	1557	1559	.	.	.	.	.	228	1561	.
72	SV	72	1607	1609	1609	.	1	997	.	149	1609	.
73	SV	73	1563	1565	.	.	.	.	.	228	.	.
74	SV	74	1700	1702	.	.	.	.	.	149	.	.
75	SV	75	1718	1720	.	.	.	.	.	252	.	.
76	SV	76	1722	1724	.	.	.	.	.	252	.	.
77	SV	77	1761	1763	.	.	.	.	.	252	.	.
78	SV	78	1919	1921	.	.	.	.	.	276	.	.
79	SV	79	1925	1927	.	.	.	.	.	278	.	.
80	SV	80	1958	1960	.	.	.	.	.	276	.	.

Quantitation Report File: SV9010420RX

Data: SV9010420RX.TI
01/13/89 13:21:00
Sample: JCO-2 (400ML/2ML)
Conds.: SEMI VOLATILE
Formula: EPA METHOD 8270 Instrument: FINN Weight: 5.000
Submitted by: HARDING- Analyst: JJS Acct. No.: -

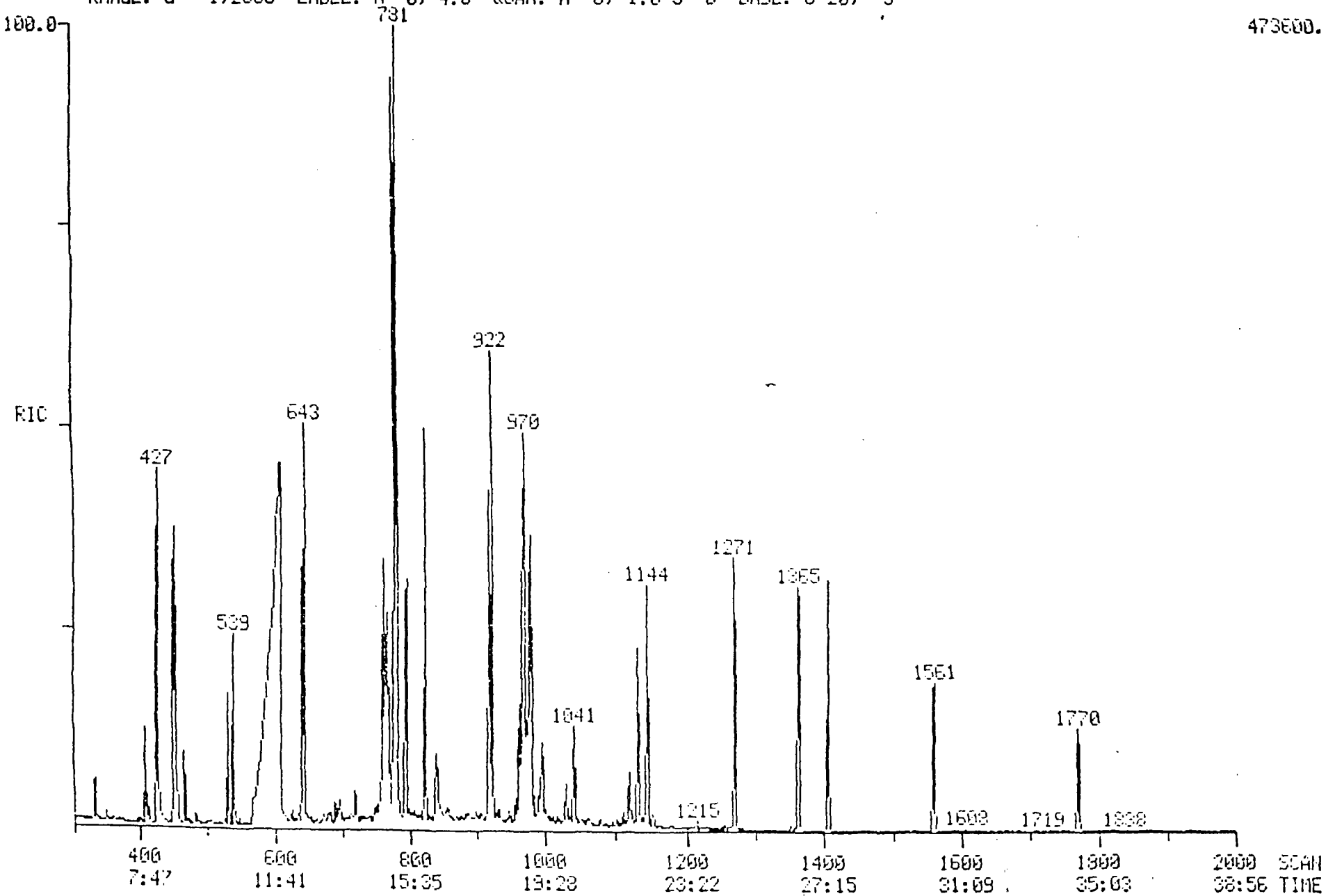
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	1,4-DICHLOROBENZENE-D4 (IS1)
2	NAPHTHALENE-D8 (IS2)
3	ACENAPHTHENE-D10 (IS3)
4	PHENANTHRENE-D10 (IS4)
5	CHRYSENE-D10 (IS5)
6	PERYLENE-D12 (IS6)
7	2-FLUOROPHENOL (SA1)
8	PHENOL-D6 (SA2)
9	NITROBENZENE-D5 (SB1)
10	2-FLUOROBIPHENYL (SB2)
11	2,4,6-TRIBROMOPHENOL (SA3)
12	TERPHENYL-D14 (SB3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	451	8:47	1	1.000	A BB	43546.	40.000	NG	6.13
2	136	643	12:31	2	1.000	A BV	179819.	40.000	NG	6.13
3	164	917	17:51	3	1.000	A BB	85118.	40.000	NG	6.13
4	188	1144	22:16	4	1.000	A BB	137750.	40.000	NG	6.13
5	240	1561	30:24	5	1.000	A BV	67402.	40.000	NG	6.13
6	264	1771	34:29	6	1.000	A BB	40841.	40.000	NG	6.13
7	112	283	5:31	1	0.628	A BB	78140.	45.405	%	6.96
8	99	425	8:16	1	0.943	A BB	78632.	36.379	%	5.58
9	82	539	10:30	2	0.839	A BB	69706.	67.683	%	10.38
10	172	822	16:00	3	0.897	A BV	115373.	78.654	%	12.06
11	332	1042	20:17	3	1.137	A BB	20973.	63.116	%	9.68
12	244	1408	27:25	5	0.902	A BV	119496.	121.381	%	18.60

MID RIC
01/13/89 14:15:00
SAMPLE: MATRIX SPIKE (500ML/2ML)
CONDS.: SEMI VOLATILE
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: SV9010420MS #1 SCANS 300 TO 2000
CALI: SV9010420MS #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 14:59:0
DATA FILE: SV9010420MS
REFERENCE: TAB11
NAME LIST: SVMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SVSTDS

< ---- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	2	61	12	12	1	66	SVSTDS/SVSURR
6	6	1	61	17	9	1	56	SVSTDS/SV1
6	6	1	61	17	11	4	82	SVSTDS/SV2
6	6	1	61	17	9	2	94	SVSTDS/SV3
6	6	1	61	17	11	1	152	SVSTDS/SV4
6	6	1	61	17	10	2	259	SVSTDS/SV5
6	6	1	61	19	9	1	56	SVSTDS/SV6

80 COMPOUNDS PROCESSED, 35 FOUND

< COMPOUND		>< ---------- SEARCH ----------					>< SAT		>< ------ CHRO ------		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PEAKS
1	SV	1	450	451	451	.	1	988	.	152	451	.
2	SV	2	641	642	643	1	1	985	.	136	643	.
3	SV	3	915	916	917	1	1	985	.	164	917	.
4	SV	4	1142	1144	1143	-1	2	986	.	188	1143	.
5	SV	5	1559	1561	1560	-1	1	946	.	240	1560	.
6	SV	6	1768	1770	1770	.	1	923	.	264	1770	.
7	SV	7	283	284	283	-1	1	996	.	112	283	.
8	SV	8	425	426	426	.	1	980	.	99	426	.
9	SV	9	537	538	539	1	1	985	.	82	539	.
10	SV	10	820	821	822	1	1	996	.	172	822	.
11	SV	11	1040	1041	1041	.	1	972	.	332	1041	.
12	SV	12	1406	1408	1408	.	1	957	.	244	1408	.
13	SV	13	-213	214	.	.	.	.	.	74	.	.
14	SV	14	426	427	427	.	1	956	.	94	427	.
15	SV	15	412	413	.	.	.	.	.	93	.	.
16	SV	16	427	428	.	.	.	.	.	93	427	.
17	SV	17	425	426	427	1	1	984	.	128	427	.
18	SV	18	443	444	.	.	.	.	.	146	.	.
19	SV	19	452	453	453	.	1	994	.	146	453	.
20	SV	20	483	484	.	.	.	.	.	108	.	.
21	SV	21	478	479	.	.	.	.	.	146	.	.
22	SV	22	511	512	.	.	.	.	.	108	.	.
23	SV	23	509	510	.	.	.	.	.	45	.	.
24	SV	24	535	537	.	.	.	.	.	108	538	.
25	SV	25	530	532	531	-1	2	985	.	70	531	.
26	SV	26	523	525	.	.	.	.	.	117	.	.
27	SV	27	540	542	.	.	.	.	.	77	.	.
28	SV	28	580	582	581	-1	2	982	.	82	581	.
29	SV	29	589	591	.	.	.	.	.	139	590	.
30	SV	30	613	615	.	.	.	.	.	122	.	.
31	SV	31	644	646	647	1	1	990	.	122	647	.
32	SV	32	625	627	.	.	.	.	.	93	.	.
33	SV	33	629	631	632	1	1	890	.	162	.	.
34	SV	34	638	640	640	.	1	999	.	180	640	.
35	SV	35	644	645	.	.	.	.	.	128	645	.
36	SV	36	664	665	.	.	.	.	.	127	.	.
37	SV	37	681	682	.	.	.	.	.	225	.	.
38	SV	38	751	752	754	2	2	997	.	107	754	.
39	SV	39	753	754	754	.	1	899	.	141	754	.
40	SV	40	792	793	.	.	.	.	.	237	.	.
41	SV	41	806	807	.	.	.	.	.	196	.	.
42	SV	42	811	812	.	.	.	.	.	196	810	.
43	SV	43	826	827	826	-1	1	851	.	162	.	.
44	SV	44	853	854	.	.	.	.	.	65	854	.
45	SV	45	897	898	.	.	.	.	.	163	.	.
46	SV	46	889	891	.	.	.	.	.	152	891	.
47	SV	47	919	921	922	1	1	862	.	138	922	.
48	SV	48	920	922	922	.	1	977	.	153	922	.
49	SV	49	934	936	.	.	.	.	.	184	.	.
50	SV	50	-959	961	965	4	1	988	.	109	967	2
51	SV	51	946	948	.	.	.	.	.	168	947	.
52	SV	52	902	904	903	-1	1	875	.	165	903	.
53	SV	53	960	962	962	.	1	996	.	89	962	.
54	SV	54	1011	1013	.	.	.	.	.	149	1012	.
55	SV	55	1008	1010	.	.	.	.	.	204	.	.
56	SV	56	999	1001	.	.	.	.	.	166	1000	.
57	SV	57	1015	1016	.	.	.	.	.	138	.	.
58	SV	58	1022	1023	.	.	.	.	.	198	.	.
59	SV	59	1030	1031	.	.	.	.	.	169	.	.
60	SV	60	1082	1083	.	.	.	.	.	248	.	.
61	SV	61	1097	1098	.	.	.	.	.	294	.	.
62	SV	62	1129	1130	1131	1	1	995	.	266	1130	-1
63	SV	63	1145	1146	1146	.	1	929	.	178	1146	.
64	SV	64	1152	1153	1146	-7	1	936	.	178	1146	.

65	SV	65	1269	1270	1271	1	2	997	.	149	1271	.
66	SV	66	1331	1332	.	.	.	.	.	202	.	.
67	SV	67	1364	1365	.	.	.	.	.	184	.	.
68	SV	68	1363	1364	1365	1	1	959	.	202	1365	.
69	SV	69	1501	1502	1502	.	1	945	.	149	1502	.
70	SV	70	1565	1566	.	.	.	.	.	252	.	.
71	SV	71	1557	1558	.	.	.	.	.	228	1560	.
72	SV	72	1607	1608	1608	.	1	997	.	149	1608	.
73	SV	73	1563	1564	.	.	.	.	.	228	.	.
74	SV	74	1700	1701	.	.	.	.	.	149	.	.
75	SV	75	1718	1719	.	.	.	.	.	252	.	.
76	SV	76	1722	1723	.	.	.	.	.	252	.	.
77	SV	77	1761	1762	.	.	.	.	.	252	.	.
78	SV	78	1919	1920	.	.	.	.	.	276	.	.
79	SV	79	1925	1926	.	.	.	.	.	278	.	.
80	SV	80	1958	1959	.	.	.	.	.	276	.	.

Quantitation Report File: SV9010420MS

Data: SV9010420MS.TI
01/13/89 14:15:00
Sample: MATRIX SPIKE (500ML/2ML)
Conds : SEMI VOLATILE
Formula: EPA METHOD 8270 Instrument: FINN Weight: 4.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

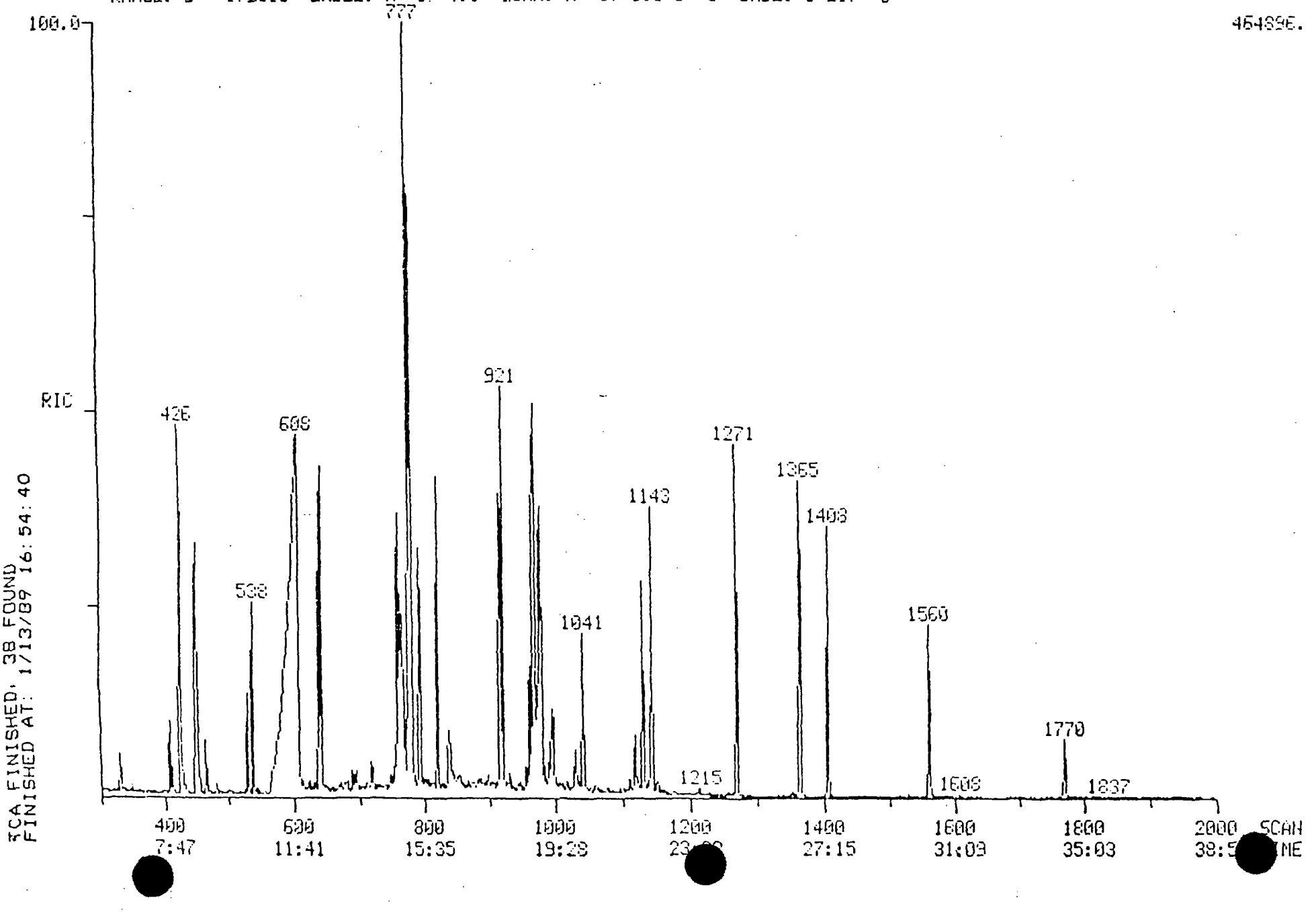
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	1,4-DICHLOROBENZENE-D4 (IS1)
2	NAPHTHALENE-D8 (IS2)
3	ACENAPHTHENE-D10 (IS3)
4	PHENANTHRENE-D10 (IS4)
5	CHRYSENE-D10 (IS5)
6	PERYLENE-D12 (IS6)
7	2-FLUOROPHENOL (SA1)
8	PHENOL-D6 (SA2)
9	NITROBENZENE-D5 (SB1)
10	2-FLUOROBIPHENYL (SB2)
11	2,4,6-TRIBROMOPHENOL (SA3)
12	TERPHENYL-D14 (SB3)
13	PHENOL (*)
14	2-CHLOROPHENOL
15	1,4-DICHLOROBENZENE (*)
16	N-NITROSO-DI-N-PROPYLAMINE (**)
17	1,2,4-TRICHLOROBENZENE
18	4-CHLORO-3-METHYLPHENOL (*)
19	ACENAPHTHENE
20	4-NITROPHENOL (**)
21	2,4-DINITROTOLUENE
22	PENTACHLOROPHENOL (*)
23	DI-N-BUTYL PHTHALATE
24	PYRENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	451	8:47	1	1.000	A BB	43529.	40.000	NG	3.70
2	136	643	12:31	2	1.000	A BB	174090.	40.000	NG	3.70
3	164	917	17:51	3	1.000	A BV	84551.	40.000	NG	3.70
4	188	1143	22:15	4	1.000	A BV	130940.	40.000	NG	3.70
5	240	1560	30:22	5	1.000	A BV	69046.	40.000	NG	3.70
6	264	1770	34:28	6	1.000	A BB	49835.	40.000	NG	3.70
7	112	283	5:31	1	0.628	A BB	40425.	23.499	%	2.18
8	99	426	8:18	1	0.945	A BB	44780.	20.726	%	1.92
9	82	539	10:30	2	0.839	A BV	81820.	82.059	%	7.59
10	172	822	16:00	3	0.897	A BV	126604.	86.889	%	8.04
11	332	1041	20:16	3	1.136	A BB	11304.	34.247	%	3.17
12	244	1408	27:25	5	0.903	A BB	106455.	105.559	%	9.77
13	94	427	8:19	1	0.947	A BB	52196.	20.076	NG	1.86
14	128	427	8:19	1	0.947	A BB	75996.	39.441	NG	3.65
15	146	453	8:49	1	1.005	A BB	68517.	34.657	NG	3.21
16	70	531	10:20	1	1.178	A BV	72979.	41.755	NG	3.87
17	180	640	12:28	2	0.996	A BB	51954.	36.579	NG	3.39
18	107	759	14:47	2	1.181	M XX	36286.	22.106	NG	2.05
19	153	922	17:57	3	1.006	A BB	122057.	40.315	NG	3.73

3	1.055	A	BV	25836.	77.069	NG	7.13
3	1.050	A	BV	24844.	29.836	NG	2.76
4	0.989	A	BB	25383.	56.784	NG	5.26
4	1.112	A	BV	216361.	41.103	NG	3.81
5	0.876	A	BB	144478.	48.770	NG	4.51

MID RIC DATA: SV90104205D #1 SCANS 300 TO 2000
01/13/89 15:23:00 CALI: SV90104205D #3
SAMPLE: MATRIX SPIKE DUP (500ML/2ML)
CONDS.: SEMI VOLATILE
RANGE: G 1.2000 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/13/89 16:46:

DATA FILE: SV9010420SD
REFERENCE: TAB11
NAME LIST: SVMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: SVSTDS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	2	84	12	12	1	81	SVSTDS/SVSURR
6	6	1	84	17	9	1	74	SVSTDS/SV1
6	6	1	84	17	12	18	170	SVSTDS/SV2
6	6	1	84	17	8	2	98	SVSTDS/SV3
6	6	1	84	17	12	1	176	SVSTDS/SV4
6	6	1	84	17	11	1	262	SVSTDS/SV5
6	6	1	84	19	10	1	67	SVSTDS/SV6

80 COMPOUNDS PROCESSED, 38 FOUND

< COMPOUND ><			---------- SEARCH ---------- ><					SAT ><		------ CHRO ------		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA PEAK
1	SV	1	450	451	450	-1	1	990	.	152	450	.
2	SV	2	641	642	643	1	1	989	.	136	643	.
3	SV	3	915	916	917	1	1	978	.	164	917	.
4	SV	4	1142	1143	1143	.	2	992	.	188	1143	.
5	SV	5	1559	1560	1560	.	1	926	.	240	1560	.
6	SV	6	1768	1769	1769	.	1	918	.	264	1769	.
7	SV	7	283	283	282	-1	1	994	.	112	282	.
8	SV	8	425	425	425	.	1	989	.	99	425	.
9	SV	9	537	538	538	.	1	991	.	82	538	.
10	SV	10	820	821	821	.	1	999	.	172	821	.
11	SV	11	1040	1041	1041	.	1	981	.	332	1041	.
12	SV	12	1406	1407	1408	1	1	958	.	244	1407	-1
13	SV	13	-213	214	.	.	.	.	.	74	.	.
14	SV	14	426	427	426	-1	1	951	.	94	427	1
15	SV	15	412	413	.	.	.	.	.	93	.	.
16	SV	16	427	428	.	.	.	.	.	93	426	.
17	SV	17	425	426	426	.	1	988	.	128	426	.
18	SV	18	443	444	.	.	.	.	.	146	.	.
19	SV	19	452	453	453	.	1	984	.	146	453	.
20	SV	20	483	484	.	.	.	.	.	108	.	.
21	SV	21	478	479	.	.	.	.	.	146	479	.
22	SV	22	511	512	.	.	.	.	.	108	.	.
23	SV	23	509	510	.	.	.	.	.	45	.	.
24	SV	24	535	537	.	.	.	.	.	108	538	.
25	SV	25	530	532	530	-2	2	992	.	70	530	.
26	SV	26	523	525	.	.	.	.	.	117	.	.
27	SV	27	540	542	.	.	.	.	.	77	.	.
28	SV	28	580	582	580	-2	3	973	.	82	581	1
29	SV	29	589	591	.	.	.	.	.	139	590	.
30	SV	30	613	615	.	.	.	.	.	122	616	.
31	SV	31	644	646	646	.	3	981	.	122	646	.
32	SV	32	625	627	631	4	1	876	.	93	631	.
33	SV	33	629	631	631	.	1	914	.	162	631	.
34	SV	34	638	640	639	-1	1	996	.	180	639	.
35	SV	35	644	645	.	.	.	.	.	128	645	.
36	SV	36	664	665	.	.	.	.	.	127	666	.
37	SV	37	681	682	.	.	.	.	.	225	.	.
38	SV	38	751	752	754	2	2	997	.	107	754	.
39	SV	39	753	754	754	.	1	860	.	141	753	-1
40	SV	40	792	793	.	.	.	.	.	237	.	.
41	SV	41	806	807	.	.	.	.	.	196	.	.
42	SV	42	811	812	.	.	.	.	.	196	.	.
43	SV	43	826	827	.	.	.	.	.	162	.	.
44	SV	44	853	854	.	.	.	.	.	65	854	.
45	SV	45	897	898	.	.	.	.	.	163	.	.
46	SV	46	889	891	.	.	.	.	.	152	.	.
47	SV	47	919	921	922	1	1	863	.	138	921	-1
48	SV	48	920	922	921	-1	1	982	.	153	921	.
49	SV	49	934	936	.	.	.	.	.	184	.	.
50	SV	50	-959	961	965	4	1	986	.	109	965	.
51	SV	51	946	948	946	-2	1	894	.	168	946	.
52	SV	52	902	904	902	-2	1	858	.	165	.	.
53	SV	53	960	962	962	.	1	989	.	89	962	.
54	SV	54	1011	1013	.	.	.	.	.	149	1011	.
55	SV	55	1008	1010	.	.	.	.	.	204	.	.
56	SV	56	999	1001	.	.	.	.	.	166	1000	.
57	SV	57	1015	1015	1012	-3	1	850	.	138	.	.
58	SV	58	1022	1022	.	.	.	.	.	198	.	.
59	SV	59	1030	1030	.	.	.	.	.	169	.	.
60	SV	60	1082	1082	.	.	.	.	.	248	.	.
61	SV	61	1097	1097	.	.	.	.	.	284	.	.
62	SV	62	1129	1129	1130	1	1	980	.	266	1130	.
63	SV	63	1145	1145	1146	1	1	989	.	178	1146	.
64	SV	64	1152	1152	1146	-6	1	987	.	178	1146	.

65	SV	65	1269	1269	1271	2	1	996	-1	149	1271	.
66	SV	66	1331	1331	.	.	.	.	.	202	1332	.
67	SV	67	1364	1364	.	.	.	.	.	184	.	.
68	SV	68	1363	1364	1365	1	1	958	.	202	1365	.
69	SV	69	1501	1502	1502	.	1	933	.	149	1501	-1
70	SV	70	1565	1566	.	.	.	.	.	252	.	.
71	SV	71	1557	1558	.	.	.	.	.	228	1560	.
72	SV	72	1607	1608	1608	.	1	991	.	149	1608	.
73	SV	73	1563	1564	.	.	.	.	.	228	.	.
74	SV	74	1700	1701	1701	.	1	907	.	149	.	.
75	SV	75	1718	1719	.	.	.	.	.	252	.	.
76	SV	76	1722	1723	.	.	.	.	.	252	.	.
77	SV	77	1761	1762	.	.	.	.	.	252	.	.
78	SV	78	1919	1920	.	.	.	.	.	276	.	.
79	SV	79	1925	1926	.	.	.	.	.	278	.	.
80	SV	80	1958	1959	.	.	.	.	.	276	.	.

Quantitation Report File: SV9010420SD

Data: SV9010420SD.TI
01/13/89 15:23:00
Sample: MATRIX SPIKE DUP (500ML/2ML)
Conds.: SEMI VOLATILE
Formula: EPA METHOD 8270 Instrument: FINN Weight: 4.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	1,4-DICHLOROBENZENE-D4 (IS1)
2	NAPHTHALENE-D8 (IS2)
3	ACENAPHTHENE-D10 (IS3)
4	PHENANTHRENE-D10 (IS4)
5	CHRYSENE-D10 (IS5)
6	PERYLENE-D12 (IS6)
7	2-FLUOROPHENOL (SA1)
8	PHENOL-D6 (SA2)
9	NITROBENZENE-D5 (SB1)
10	2-FLUOROBIPHENYL (SB2)
11	2,4,6-TRIBROMOPHENOL (SA3)
12	TERPHENYL-D14 (SB3)
13	PHENOL (*)
14	2-CHLOROPHENOL
15	1,4-DICHLOROBENZENE (*)
16	N-NITROSO-DI-N-PROPYLAMINE (**)
17	1,2,4-TRICHLOROBENZENE
18	4-CHLORO-3-METHYLPHENOL (*)
19	ACENAPHTHENE
20	4-NITROPHENOL (**)
21	2,4-DINITROTOLUENE
22	PENTACHLOROPHENOL (*)
23	DI-N-BUTYL PHTHALATE
24	PYRENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	450	8:46	1	1.000	A BB	42264.	40.000	NG	3.50
2	136	643	12:31	2	1.000	A BB	182254.	40.000	NG	3.50
3	164	917	17:51	3	1.000	A BB	85373.	40.000	NG	3.50
4	188	1143	22:15	4	1.000	A BV	128574.	40.000	NG	3.50
5	240	1560	30:22	5	1.000	A BB	68092.	40.000	NG	3.50
6	264	1769	34:27	6	1.000	A BB	31851.	40.000	NG	3.50
7	112	282	5:29	1	0.627	A BB	39425.	23.604	%	2.07
8	99	425	8:16	1	0.945	A BB	49223.	23.464	%	2.06
9	82	538	10:28	2	0.837	A BV	73430.	70.346	%	6.16
10	172	821	15:59	3	0.896	A BB	118910.	80.823	%	7.08
11	332	1041	20:16	3	1.136	A BB	15745.	47.242	%	4.14
12	244	1407	27:24	5	0.902	A BB	119672.	120.327	%	10.53
13	94	427	8:19	1	0.949	A BB	56449.	22.361	NG	1.96
14	128	426	8:18	1	0.947	A BB	79378.	42.430	NG	3.72
15	146	453	8:49	1	1.007	A BB	66226.	34.501	NG	3.02
16	70	530	10:19	1	1.178	A BV	71080.	41.886	NG	3.67
17	180	639	12:26	2	0.994	A BB	50623.	34.045	NG	2.98
18	107	759	14:47	2	1.181	M XX	51401.	29.911	NG	2.62
19	153	921	17:56	3	1.005	A BB	119120.	38.966	NG	3.41

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
20	109	965	18:47	3	1.053	A BV	28958.	85.550	NG	7.49
21	89	962	18:44	3	1.050	A BV	25992.	30.914	NG	2.71
22	266	1130	22:00	4	0.989	A BB	31946.	72.781	NG	6.37
23	149	1271	24:45	4	1.112	A BV	249341.	48.240	NG	4.23
24	202	1365	26:35	5	0.876	A BV	162634.	55.668	NG	4.88

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Q.C. Sample Dates
P.O.Box 578	Method (units):	EPA 8015 (mod) ug/L	
Novato, CA 94948	Analyst:	J. McKee	Extracted: 1/12-13/89
Attention: Bob Breynaert	QC Sample #:	DI Water	Analyzed: 1/13-14/89
	QC Sample Group:	9010421-9010533	Reported: 1/19/89

QUALITY CONTROL DATA REPORT

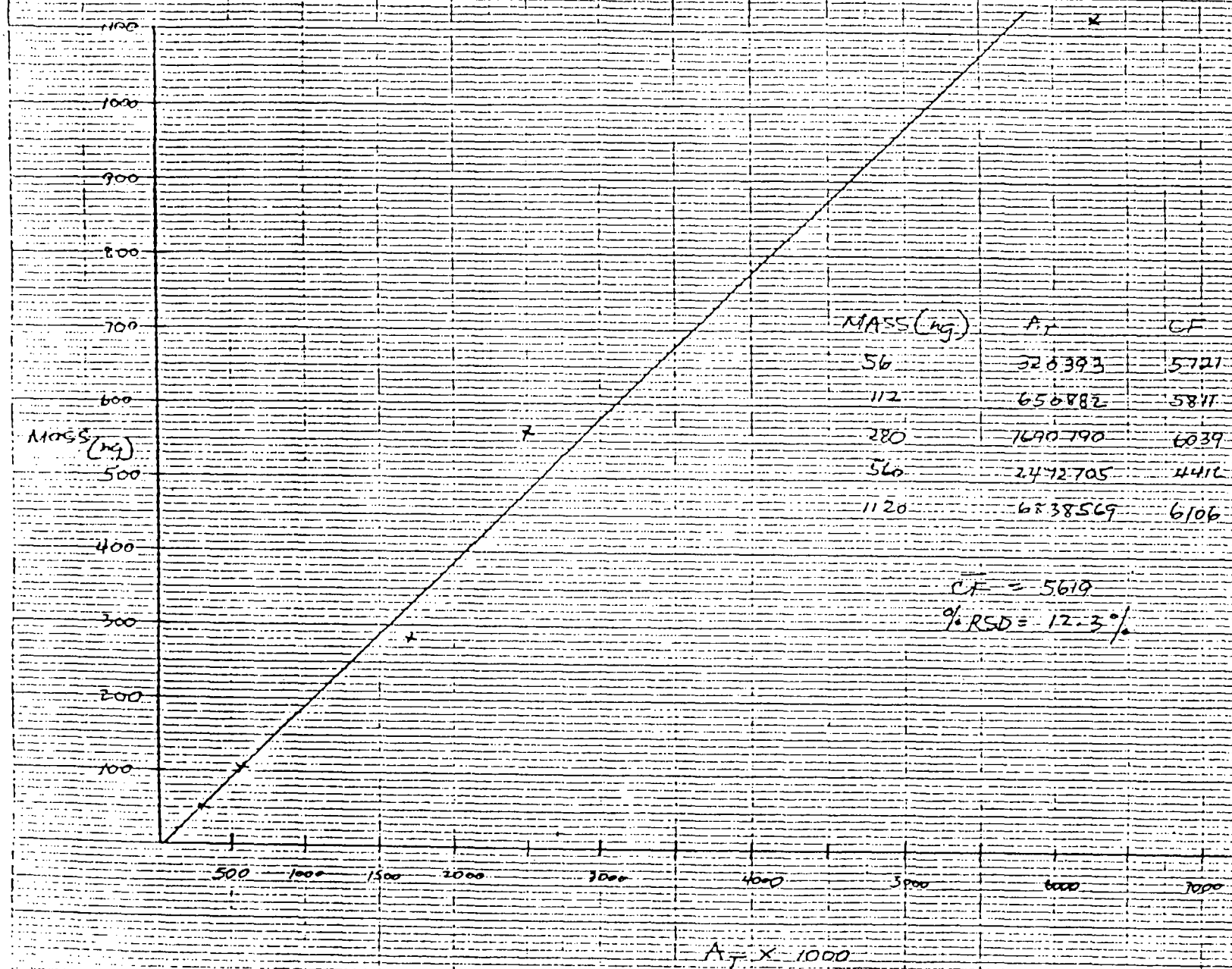
Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	% Recovery	Conc. Matrix Spike Duplicate	% Recovery	Relative % Deviation
High Boiling Point Hydrocarbons (diesel)	N.D.	460	360	80	320	70	6.6

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

9010419 HAN <26>

DIESEL (3) High Boiling Pt. Hydrocarb



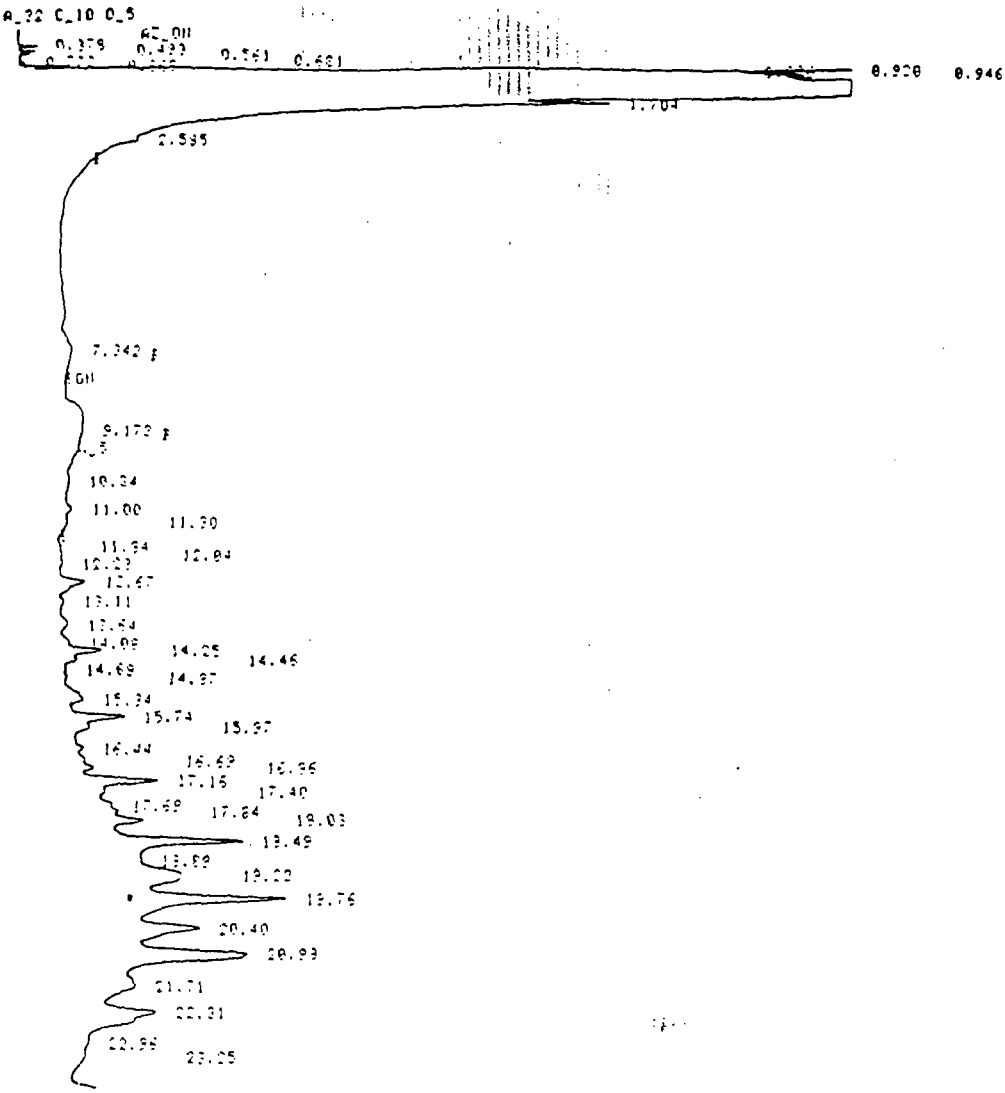
MASS (ng)	A_T	CF
56	320393	5721
112	650882	5811
280	1690790	6039
560	2472705	4412
1120	6838569	6106

$\overline{CF} = 5619$

% RSD = 12.3%

20 Squares to the Inch

% METHOD 1 DIESEL LAST EDITED 00:17.3 00/01/03



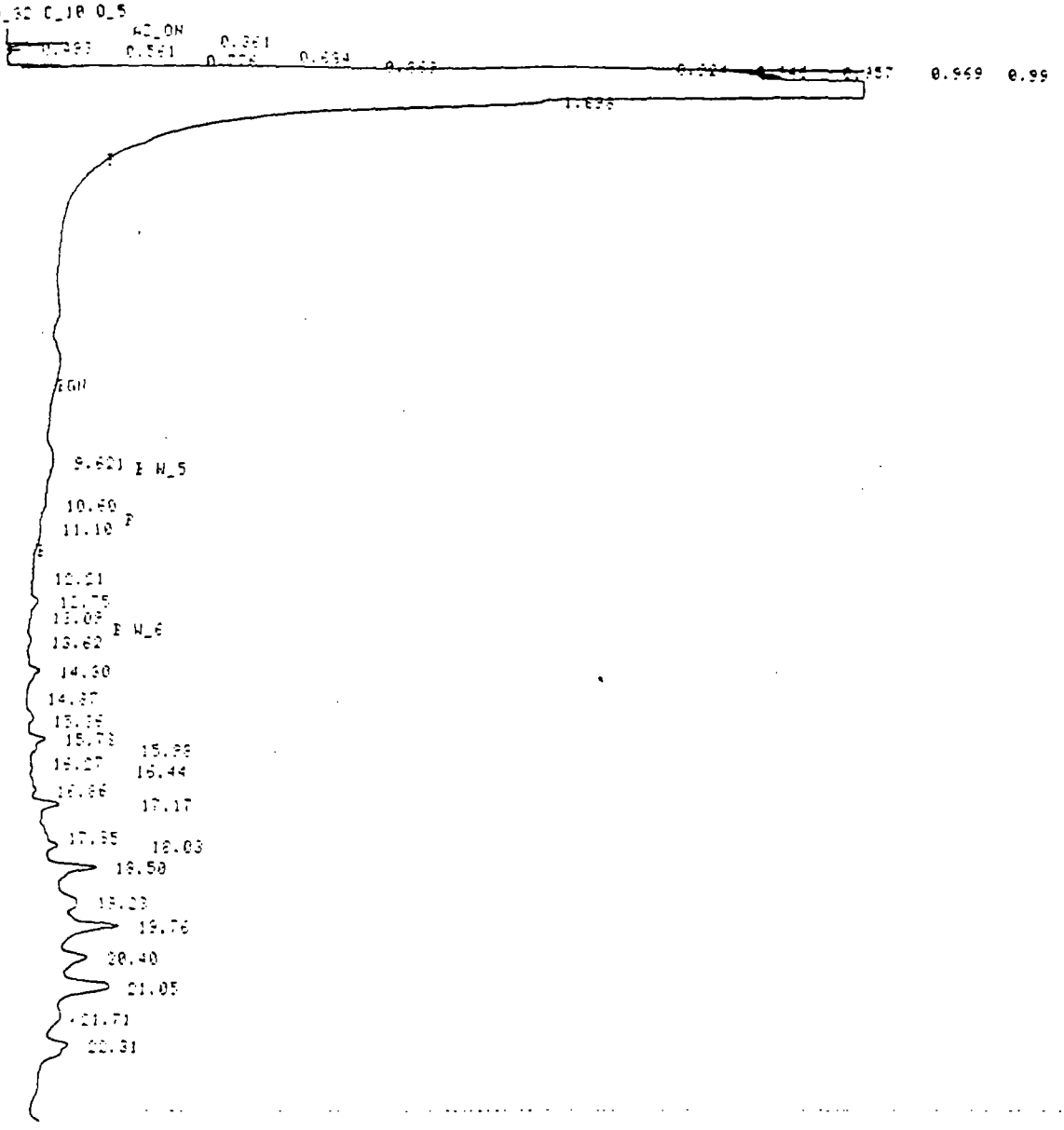
FILE 32 RUN 90 STARTED 20:23.5 00/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 00/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.173	2183	0.2790		0.0597	0.0905
10.34	19640	1.1346	V	0.5370	0.3677
11.00	20172	2.1763	V	0.5515	0.7054
11.30	16210	1.0737		0.4432	0.3480
11.84	4699	0.7776	V	0.1282	0.2520
12.04	3039	0.5034	V	0.0847	0.1648
12.23	9046	1.1926	V	0.2473	0.3933
12.67	121796	3.7440	V	3.3296	3.1532
13.11	20678	1.9255	V	0.5653	0.6241
13.64	40350	2.9136	V	1.1032	0.9119
14.09	7840	0.6835	V	0.2143	0.2215
14.25	90390	11.4710	V	2.1979	3.7179
14.46	13443	2.3542	V	0.3675	0.7630
14.69	2391	0.5338	V	0.0654	0.1730
14.97	7764	1.2470	V	0.2128	0.4042
15.34	35330	5.9213	V	2.3343	1.8863
15.74	113327	16.1135	V	3.0964	5.2226
15.97	17129	2.5841	V	0.4693	0.8375
16.44	16146	2.3764	V	0.4414	0.7702
16.69	6261	0.7700	V	0.1712	0.2496
16.96	24953	3.9006	V	0.6822	1.2642
17.16	192470	23.5401	V	5.2621	7.6296
17.40	7292	1.1665	V	0.1993	0.3781
17.69	9916	1.5556	V	0.2439	0.5042
17.84	11109	2.2219	V	0.3037	0.7201
18.03	93698	10.9300	V	2.2610	3.5426
18.49	409045	42.9532	V	11.1559	13.9217
18.89	1197	0.2738	V	0.0324	0.0907
19.22	253429	13.5331	V	6.9287	4.3862
19.76	564439	51.3367	V	15.4330	16.6399
20.40	268377	21.9153	V	7.8115	7.1039
20.99	671717	41.0266	V	10.3647	13.2372
21.71	122426	6.5898	V	3.2474	2.1356
22.31	394356	20.7306	V	10.7953	6.7395
22.96	3896	0.4336	V	0.1065	0.1405
23.25	12343	0.7914	V	0.3513	0.2565

36 PEAKS > AREA REJECT 3657657 TOTAL AREA
36 PEAKS > HEIGHT REJECT 308.5350 TOTAL HEIGHT

FILE 75 RUN 63 STARTED 17:06.8 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

295ul 112 ppm diesel



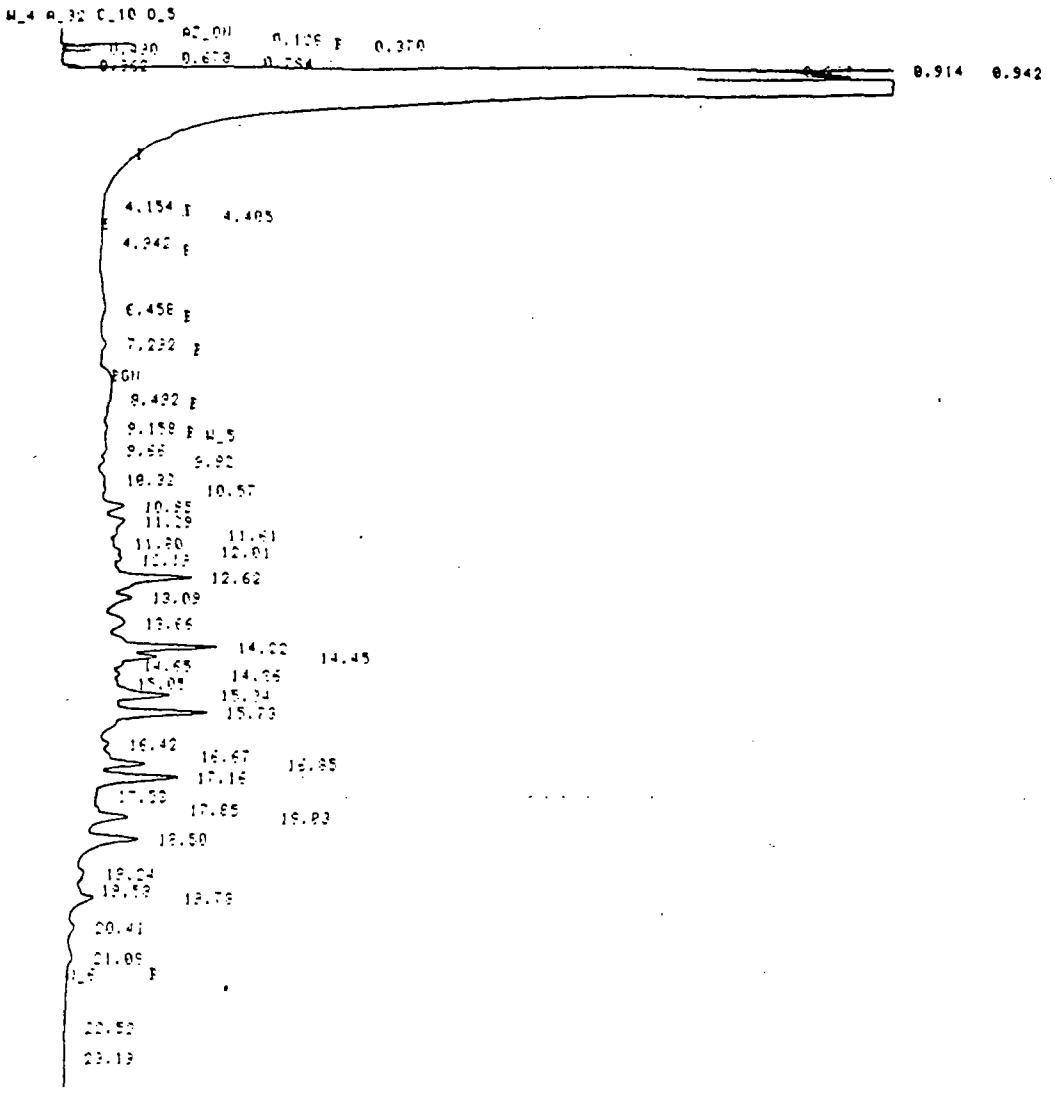
FILE 75 RUN 63 STARTED 17:06.8 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.621	2539	0.1809		0.1665	0.1605
10.60	8060	0.6381		0.5286	0.5661
11.10	15141	0.4780		0.9930	0.4241
12.21	6888	0.5741	V	0.4519	0.5093
12.75	35653	2.7259	V	2.3383	2.4184
13.09	2246	0.4063		0.1473	0.3604
13.62	14514	1.0349	V	0.9519	0.9182
14.30	77430	4.6932	V	5.0783	4.1639
14.87	2677	0.4103	V	0.1756	0.3640
15.36	29147	2.1061	V	1.9116	1.8696
15.78	27084	4.3864	V	1.7762	3.8917
15.98	6290	0.9027	V	0.4125	0.8009
16.27	1292	0.2675	V	0.0847	0.2373
16.44	4490	0.7035	V	0.2938	0.6242
16.86	19510	1.7349	V	1.2796	1.5391
17.17	94027	8.9221	V	6.1669	7.9159
17.85	7870	0.6710	V	0.5162	0.5953
18.03	34173	4.1780	V	2.2413	3.7068
18.50	180452	16.1768	V	11.8352	14.3522
19.23	77833	4.7214	V	5.1048	4.1899
19.76	239133	19.5614	V	15.6942	17.3551
20.40	120705	8.0143	V	7.9166	7.9980
21.05	285946	17.2086	V	18.7541	15.2677
21.71	48920	2.5663	V	3.2013	2.2773
22.31	182798	8.4491	V	11.9890	7.4962

25 PEAKS > AREA REJECT 1524711 TOTAL AREA
25 PEAKS > HEIGHT REJECT 112.7125 TOTAL HEIGHT

FILE 94 RUN 82 STARTED 21:29.0 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

3.15 ul kerosene 99ppm



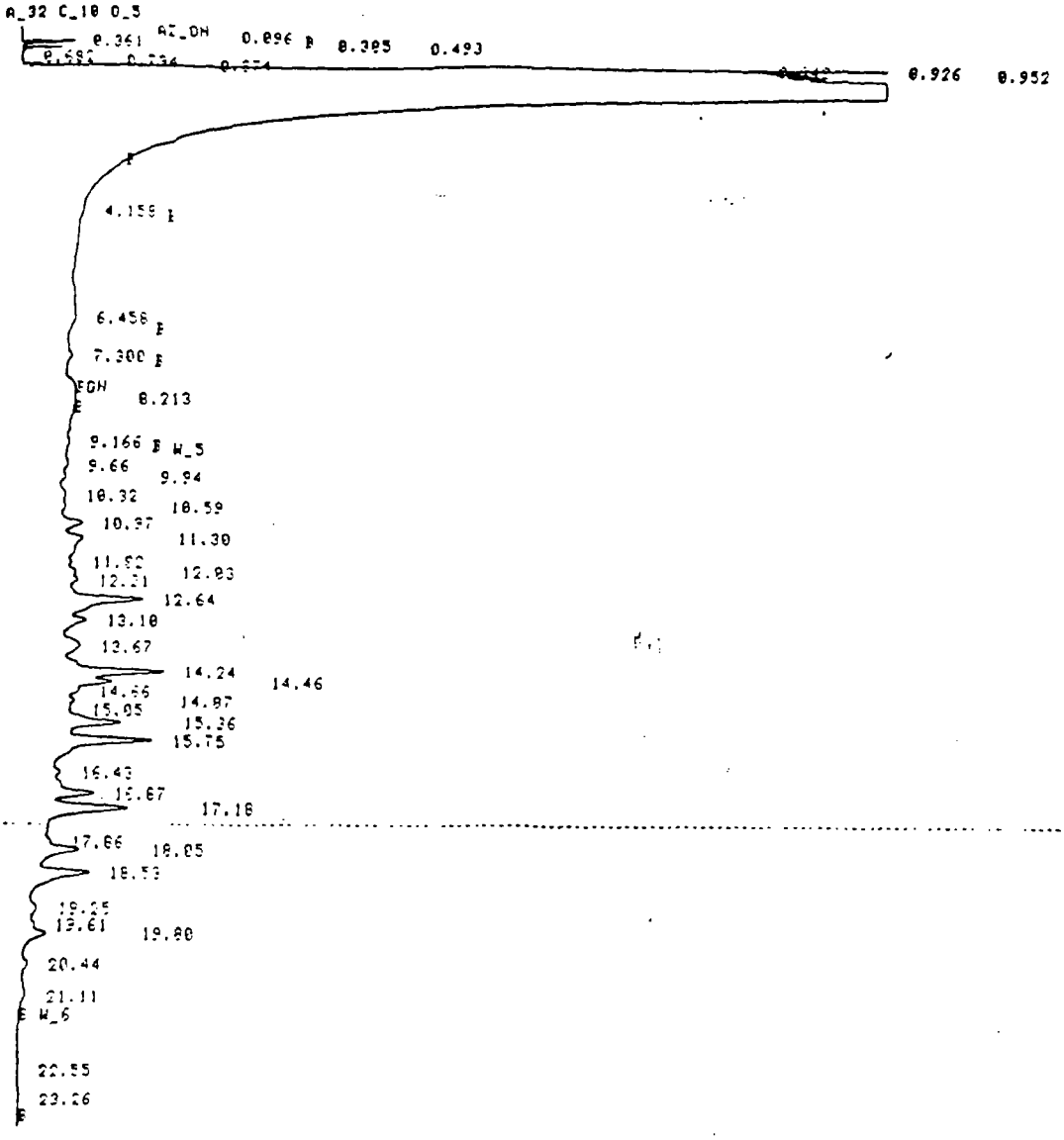
FILE 94 RUN 82 STARTED 21:29.0 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.492	1616	0.2223		0.0674	0.0649
9.158	6412	0.3010		0.2563	0.3053
9.66	12225	1.2754	U	0.4891	0.4873
9.92	11979	1.5995	U	0.4789	0.6097
10.32	13679	1.3191	U	0.5468	0.5028
10.57	7259	0.9582	U	0.2902	0.3652
10.95	67818	6.9527	U	2.7112	2.6502
11.29	57902	5.3336	U	2.3147	2.0331
11.61	4313	0.7321	U	0.1724	0.2790
11.80	6303	1.2607	U	0.2520	0.4806
12.01	11235	1.9152	U	0.4491	0.7300
12.19	14035	2.2020	U	0.5611	0.8393
12.62	321333	28.9067	U	12.8468	11.0196
13.09	71302	6.9613	U	2.8505	2.6535
13.66	96647	6.1873	U	3.8637	2.3585
14.22	252692	32.9756	U	10.1015	12.5695
14.45	61785	9.8131	U	2.4700	3.7405
14.65	9149	1.6134	U	0.3259	0.6169
14.86	14614	2.4010	U	0.5842	0.9152
15.05	2959	0.6397	U	0.1192	0.2439
15.34	185679	20.0295	U	7.4229	7.6348
15.73	346502	35.3637	U	13.8522	13.4798
16.42	18714	2.6106	U	0.7481	0.9951
16.67	4426	0.7006	U	0.1773	0.2671
16.85	109504	14.3281	U	4.3777	5.4615
17.16	287494	29.3573	U	11.4939	11.0378
17.53	4257	0.3338	U	0.1702	0.1269
17.85	3379	0.6729	U	0.1351	0.2565
18.03	114179	12.2492	U	4.5625	4.6691
18.50	222273	19.4796	U	8.8859	7.4252
19.24	34583	2.5812	U	1.3945	0.9839
19.59	2467	0.4305	U	0.0986	0.1832
19.78	56679	5.9721	U	2.2659	2.2768
20.41	26677	2.2293	U	1.0665	0.8493
21.09	22812	1.8350		1.3117	0.6996
22.52	4031	0.1830	U	0.1631	0.0717
23.19	4148	0.2552	U	0.1658	0.0973

37 PEAKS > AREA REJECT 2501413 TOTAL AREA
37 PEAKS > HEIGHT REJECT 262.3459 TOTAL HEIGHT

FILE 80 RUN 63 STARTED 20:01.3 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

3.1 ml Kerosene 99 ppm



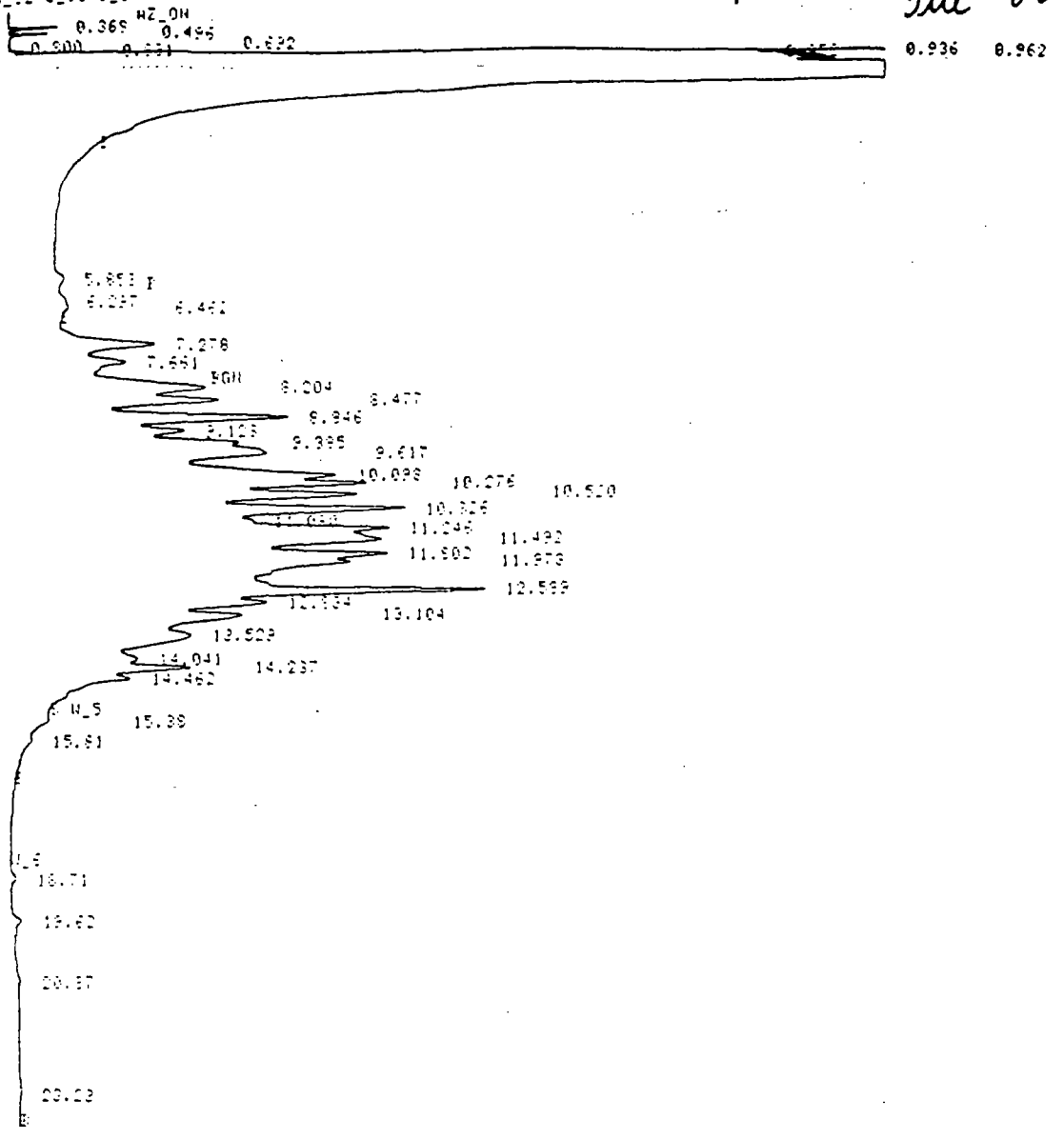
FILE 80 RUN 63 STARTED 20:01.3 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.213	2031	0.1763		0.0859	0.0749
9.166	6463	0.8197		0.2735	0.3483
9.66	12601	1.2268	V	0.5328	0.5212
9.94	11894	1.5666	V	0.5025	0.6657
10.32	12764	1.2887	V	0.5397	0.5476
10.59	8423	1.0349	V	0.3562	0.4397
10.97	62032	6.3918	V	2.6229	2.7158
11.30	96929	5.9089	V	4.0985	2.4681
11.82	5836	1.1496	V	0.2469	0.4884
12.03	9743	1.6928	V	0.4120	0.7150
12.21	13690	2.1141	V	0.5789	0.8983
12.64	297305	25.8630	V	12.5711	10.9914
13.10	65603	6.3319	V	2.7742	2.6903
13.67	87618	5.5578	V	3.7048	2.3615
14.24	202168	27.2397	V	8.5484	11.5738
14.46	50697	8.2658	V	2.1432	3.5117
14.66	5916	1.1537	V	0.2501	0.4902
14.87	12904	2.1428	V	0.5456	0.9105
15.05	2379	0.5778	V	0.1006	0.2455
15.36	176740	19.3359	V	7.4732	7.7907
15.75	315440	30.6921	V	13.3379	13.0407
16.43	16140	2.2574	V	0.6925	0.9592
16.87	130920	13.8711	V	5.5359	5.9361
17.18	268333	26.3543	V	11.3463	11.1979
17.66	2433	0.5596	V	0.1029	0.2378
18.05	111030	11.4263	V	4.6973	4.3549
18.53	210849	18.2975	V	9.2537	7.7701
19.25	31493	2.3791	V	1.3316	1.0109
19.61	3084	0.7324	V	0.1642	0.3112
19.80	54563	5.5690	V	2.3071	2.3662
20.44	26121	2.1524	V	1.1045	0.9145
21.11	30283	1.6516		1.2805	0.7017
22.55	3340	0.1684	V	0.1581	0.0716
23.26	7965	0.4203		0.3368	0.1786

34 PEAKS > AREA REJECT 2364556 TOTAL AREA
34 PEAKS > HEIGHT REJECT 235.3560 TOTAL HEIGHT

W_4 A_32 C_10 D_5

pure 1ru" 3ul 250ppm

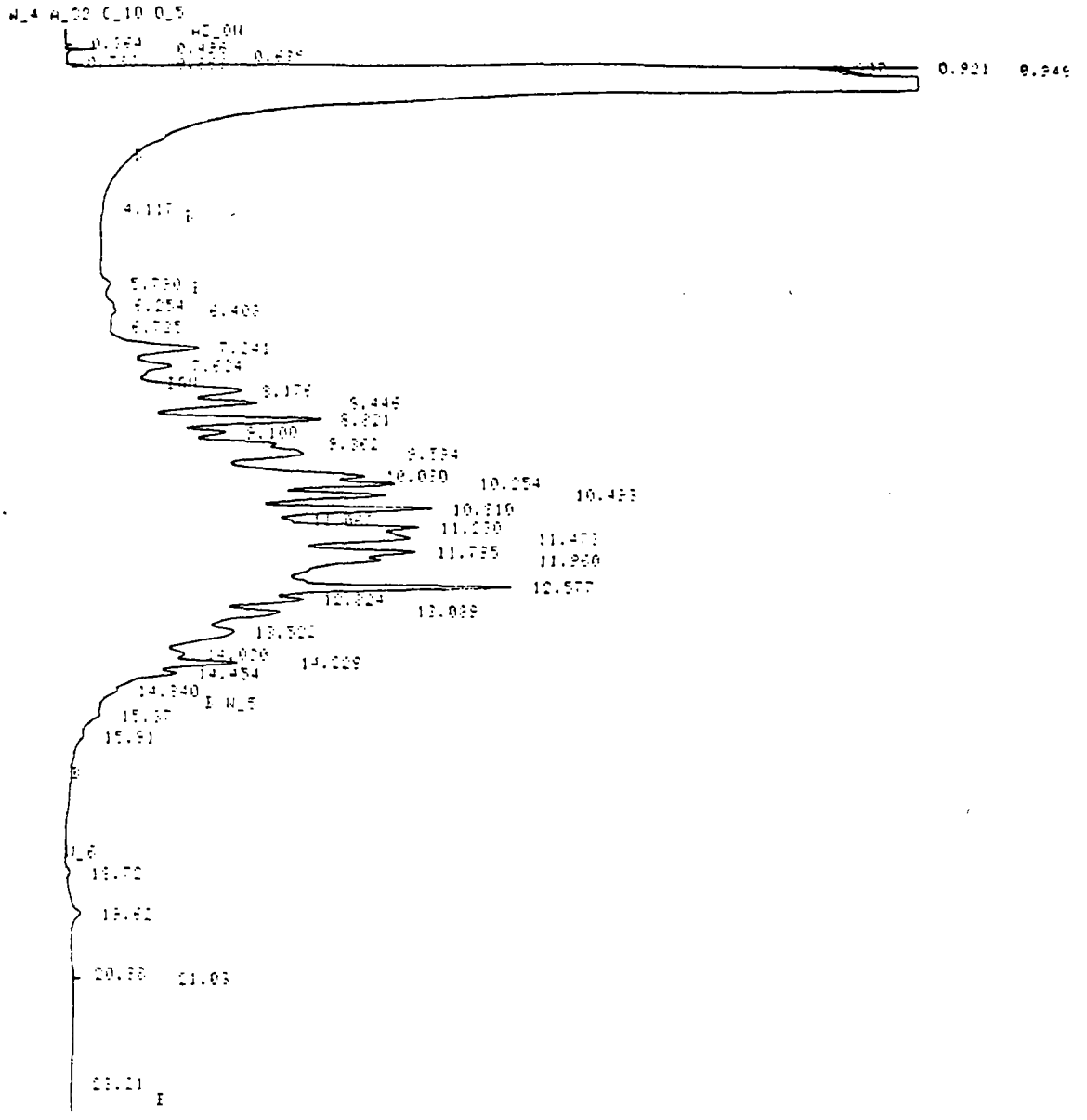


FILE 72 RUN 67 STARTED 19:26.5 80/01/03
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01 03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.204	302846	24.5722	U	6.5494	4.4374
8.477	243314	27.8675	U	5.2619	4.9519
8.846	519689	56.5016	U	11.2388	10.0453
9.103	88511	12.0352	U	1.9141	2.3163
9.385	55541	9.9339	U	1.2011	1.7652
9.617	214512	19.6291	U	4.6391	3.4879
10.076	124544	19.2304	U	2.6934	3.4171
10.276	190340	29.4775	U	4.1271	5.2379
10.520	345733	40.8895	U	7.4769	7.2656
10.826	483200	59.4484	U	10.4497	10.5636
11.050	4716	1.4098	U	0.1020	0.2505
11.246	140340	25.1171	U	3.0350	4.4631
11.492	218039	23.5221	U	4.7159	4.1797
11.802	184029	27.1065	U	3.9799	4.8166
11.973	15327	9.2406	U	0.3315	1.6420
12.589	658607	82.7203	U	14.2444	14.6939
12.834	127999	16.1996	U	2.7691	2.8784
13.104	224341	20.7614	U	4.8516	3.6992
13.509	215270	16.6013	U	4.6554	2.9392
14.041	28017	3.7327	U	0.6059	0.6633
14.237	160136	23.1262	U	3.4631	4.1094
14.462		7.5551			1.3425
15.39	7614	1.6544	U	0.1647	0.2940
15.61		1.0170			0.1807
18.71	21030	1.9473	U	0.4550	0.3460
19.62	34146	2.7912	U	0.7384	0.4960
20.87	5175	0.7400	U	0.1120	0.1315
23.23	10219	0.5127		0.2210	0.0911

26 PEAKS AREA REJECT 4624845 TOTAL AREA
26 PEAKS HEIGHT REJECT 562.7830 TOTAL HEIGHT

FILE 93 RUN 81 STARTED 20:59.9 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



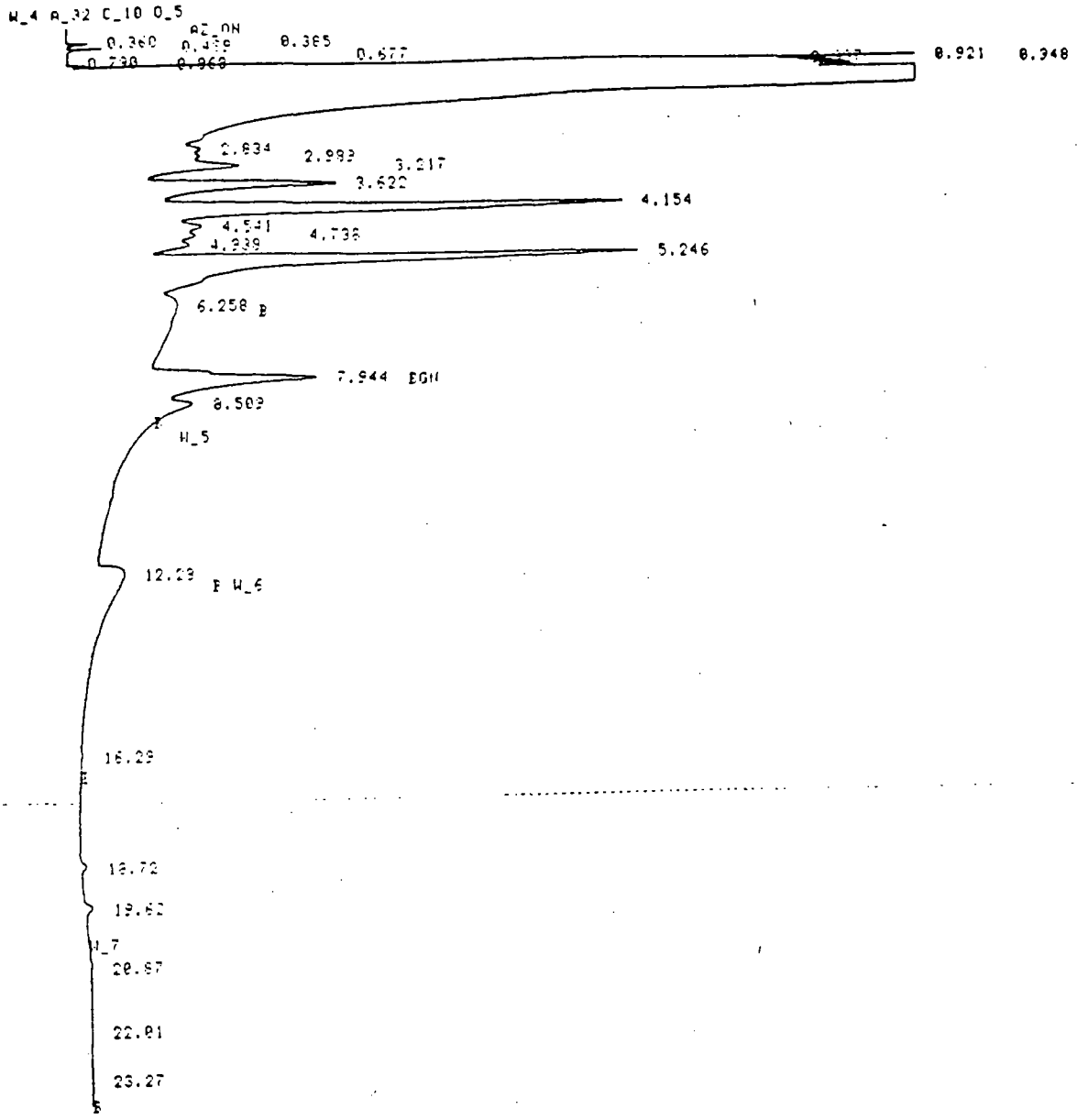
FILE 93 RUN 81 STARTED 20:59.9 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.176	264454	22.7829	V	5.9392	4.1754
8.446	234678	26.6574	V	5.1909	4.8854
8.821	489981	53.1484	V	10.8171	9.7404
9.100	83500	12.2995	V	1.8434	2.2541
9.362	54543	9.3770	V	1.2041	1.7195
9.594	208679	18.9880	V	4.6069	3.4799
10.080	106903	17.3115	V	2.3601	3.1726
10.254	133346	28.1520	V	4.0476	5.1593
10.493	328739	38.7140	V	7.2574	7.0950
10.810	470125	57.3517	V	10.3787	10.5107
11.062	4405	1.3736	V	0.0972	0.2517
11.230	135734	24.0598	V	2.9965	4.4094
11.473	210649	22.5339	V	4.6504	4.1297
11.795	177793	26.2918	V	3.9250	4.8184
11.960	20645	9.4792	V	0.4558	1.7370
12.577	649284	31.6515	V	14.3340	14.9641
12.824	124546	15.6632	V	2.7495	2.8705
13.089	218250	20.0975	V	4.8192	3.6832
13.502	213315	12.6512	V	4.7203	2.3185
14.030	28124	3.7196	V	0.6209	0.6815
14.229	165621	23.9814	V	3.6563	4.3950
14.454	42353	8.5307	V	0.9350	1.5634
14.840	201	0.7190		0.0044	0.1316
15.37	8317	1.6541	V	0.1836	0.3031
15.91		0.9839			0.1620
18.72	13159	1.4597	V	0.2905	0.2675
19.62	24843	4.1239	V	1.8732	0.7567
20.88	4759	0.5364	V	0.1051	0.0933
21.03	1498	1.3203	V	0.0331	0.2420
23.21	744	0.1353		0.0164	0.0249

28 PEAKS AREA REJECT 4529691 TOTAL AREA

2.45 ml lacquer thinner 80 ppm

FILE 78 RUN 66 STARTED 18:55.8 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



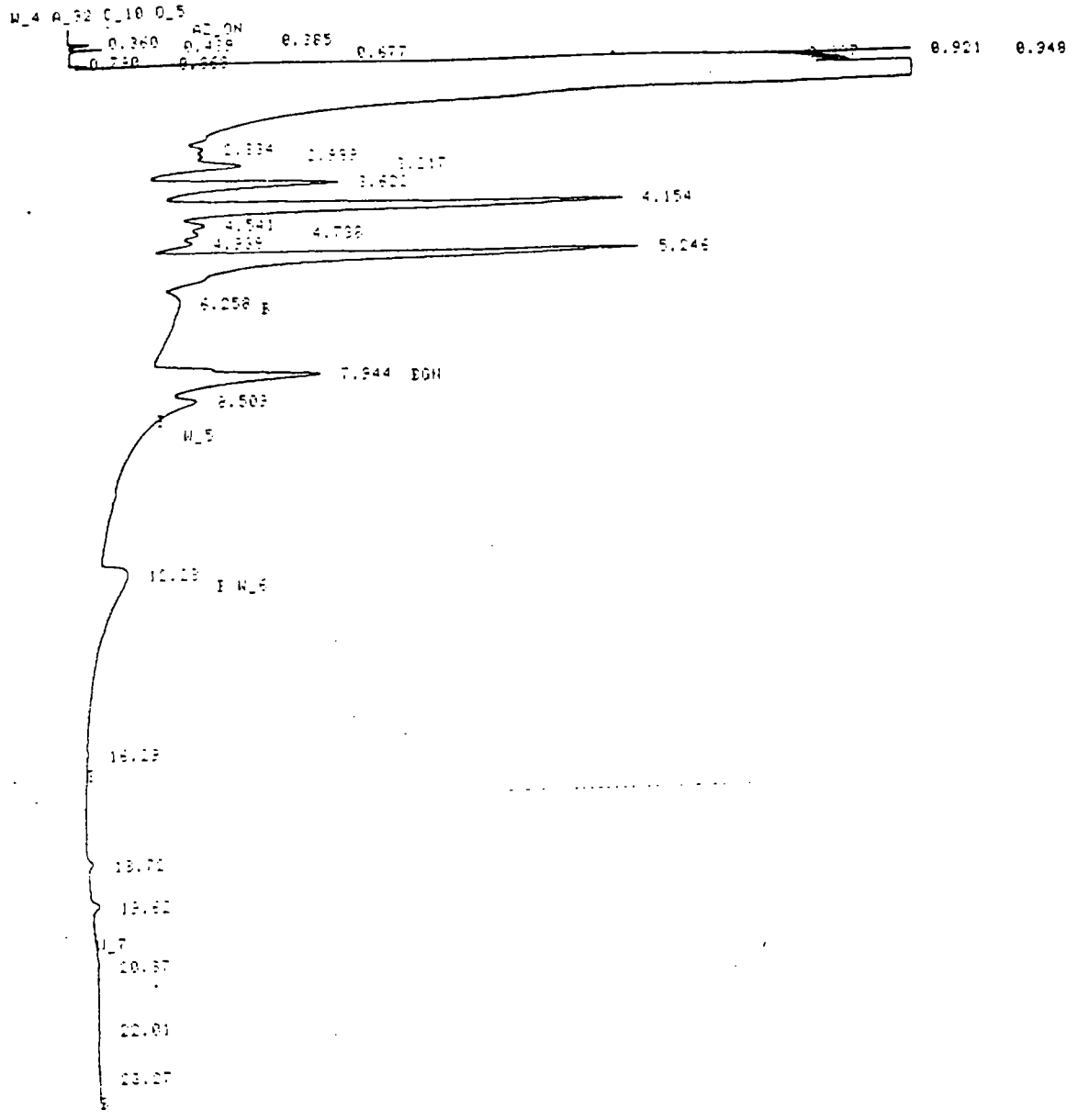
FILE 79 RUN 66 STARTED 19:55.8 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.509	145930	9.5887		42.2746	42.5237
12.29	127365	6.4306		36.8965	28.5180
16.29	5598	0.6053		1.6215	2.6845
18.72	11956	1.9769	V	3.4346	8.3235
19.62	19354	2.6064	V	5.6066	11.5588
20.87	3497	0.7099	V	1.0102	3.1481
22.01	22325	0.3549	V	6.4674	1.5741
23.27	9281	0.3764		2.6886	1.6693

8 PEAKS > AREA REJECT 345195 TOTAL AREA
8 PEAKS > HEIGHT REJECT 22.5492 TOTAL HEIGHT

295 ul lacquer thinner 80 ppm

FILE 78 RUN 66 STARTED 18:55.8 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



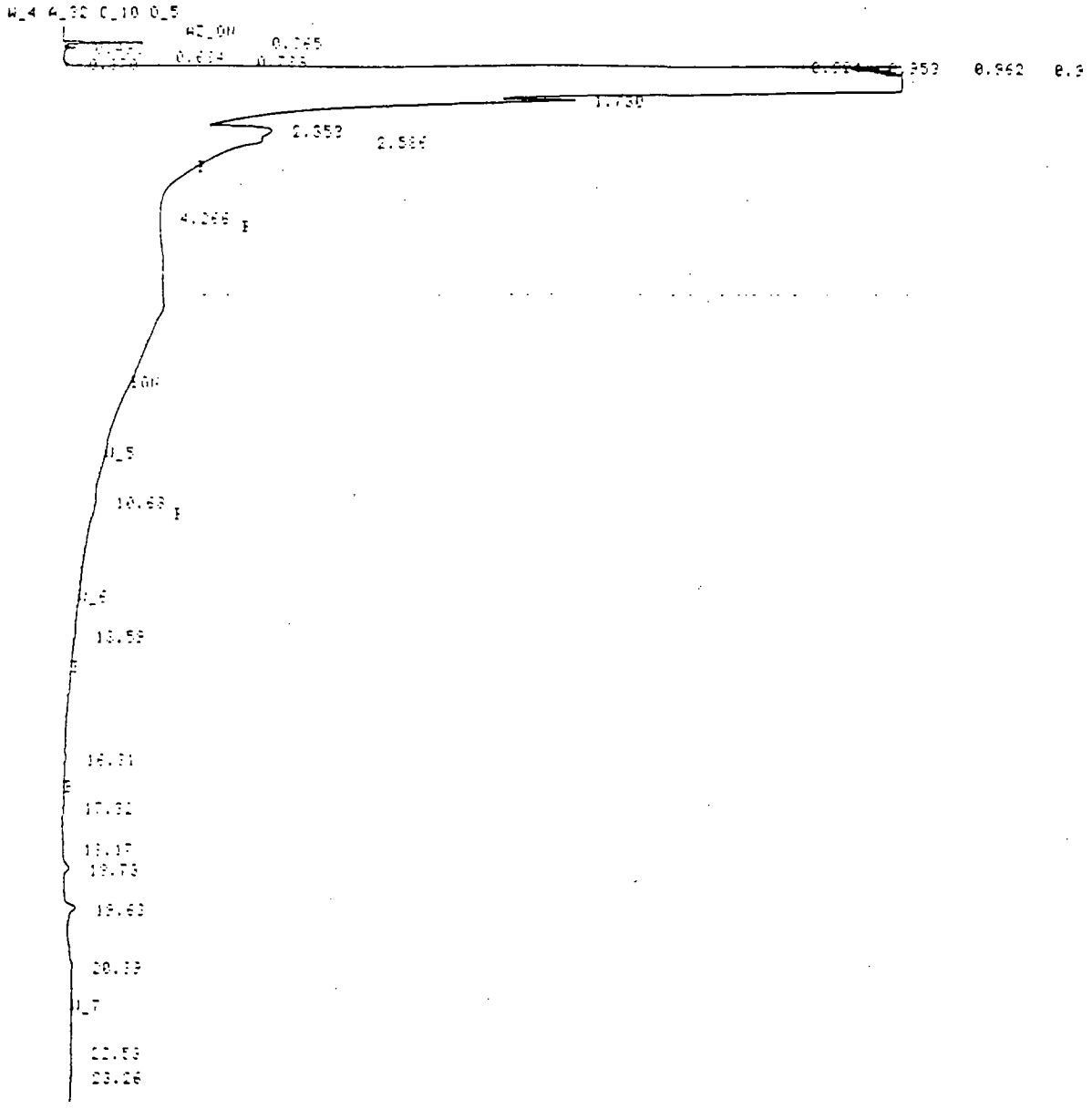
FILE 78 RUN 66 STARTED 18:55.8 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.509	145930	9.5887		42.2746	42.5237
12.23	127365	6.4306		36.8965	28.5180
16.29	5599	0.6053		1.6215	2.6845
18.72	11856	1.8769	U	3.4346	8.3235
19.62	19354	2.6064	U	5.6066	11.5588
20.37	3487	0.7099	U	1.0102	3.1481
22.01	22325	0.3549	U	6.4674	1.5741
23.27	9281	0.3764		2.6886	1.6693

8 PEAKS > AREA REJECT .345195 TOTAL AREA
8 PEAKS > HEIGHT REJECT 22.5492 TOTAL HEIGHT

3rd matrix blank 80:26

FILE 99 RUN 77 STARTED 02:22.0 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



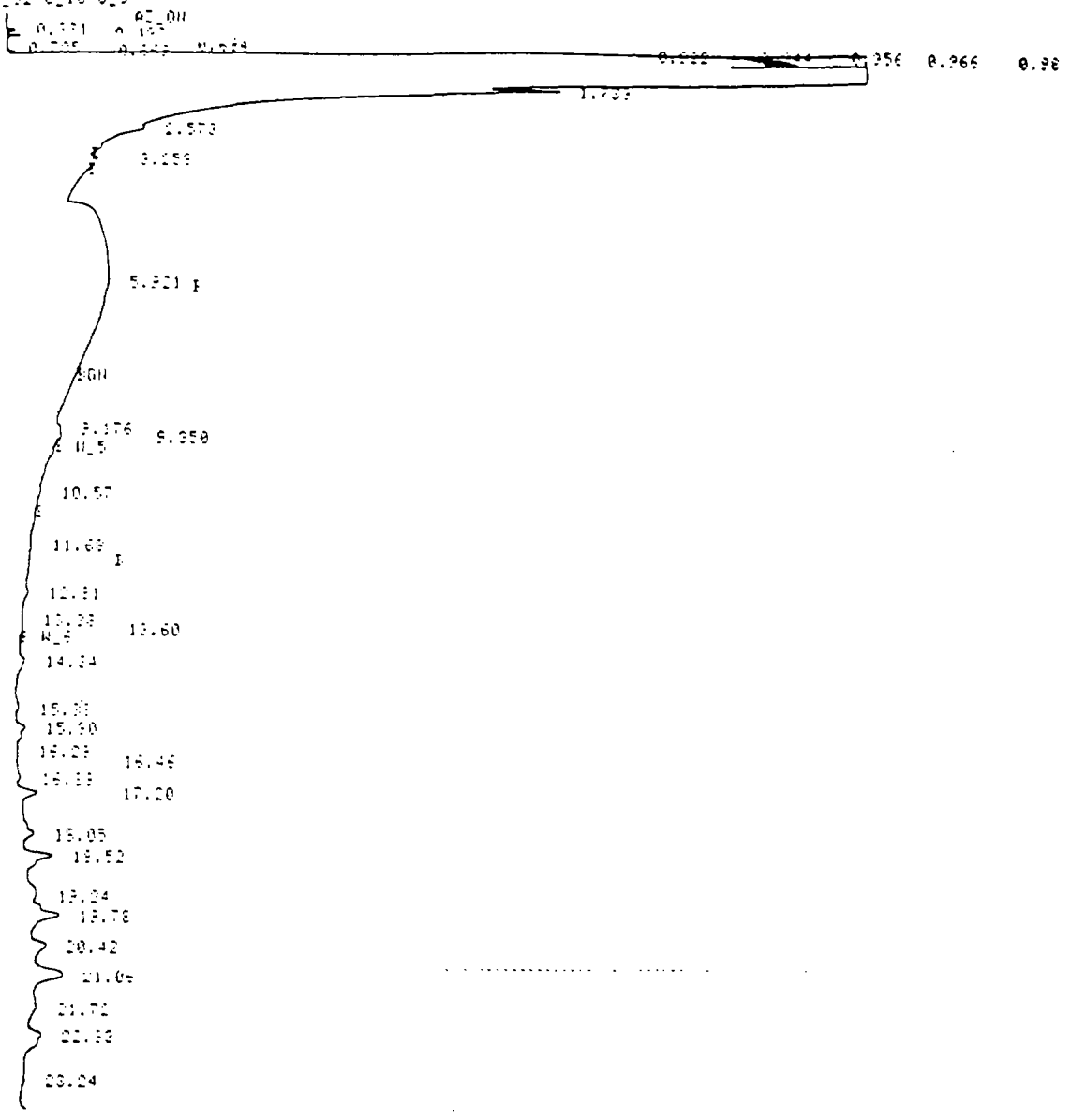
FILE 99 RUN 77 STARTED 02:22.0 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	IC	AREA PERCENT	HEIGHT PERCENT
10.66	7229	0.5907		5.7546	6.0715
13.59	1774	0.3412		1.4125	3.5072
16.31	5936	0.6825		4.7236	7.0157
17.32	3879	0.2697	V	3.0873	2.7729
18.17	2609	0.1399	V	2.0769	1.4375
19.73	26296	2.3477	V	20.9366	24.1310
19.63	50075	3.8525	H	39.8700	39.5997
20.39	20032	1.0413	V	15.9496	10.7029
22.53	1977	0.1005	H	1.5741	1.0328
23.26	5733	0.3629	V	4.5647	3.7305

10 PEAKS > AREA REJECT 125596 TOTAL AREA
10 PEAKS > HEIGHT REJECT 9.7233 TOTAL HEIGHT

FILE 76 RUN 64 STARTED 17:49.1 80/01/03
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

3 ul Spike (Wissen) 800:2.1



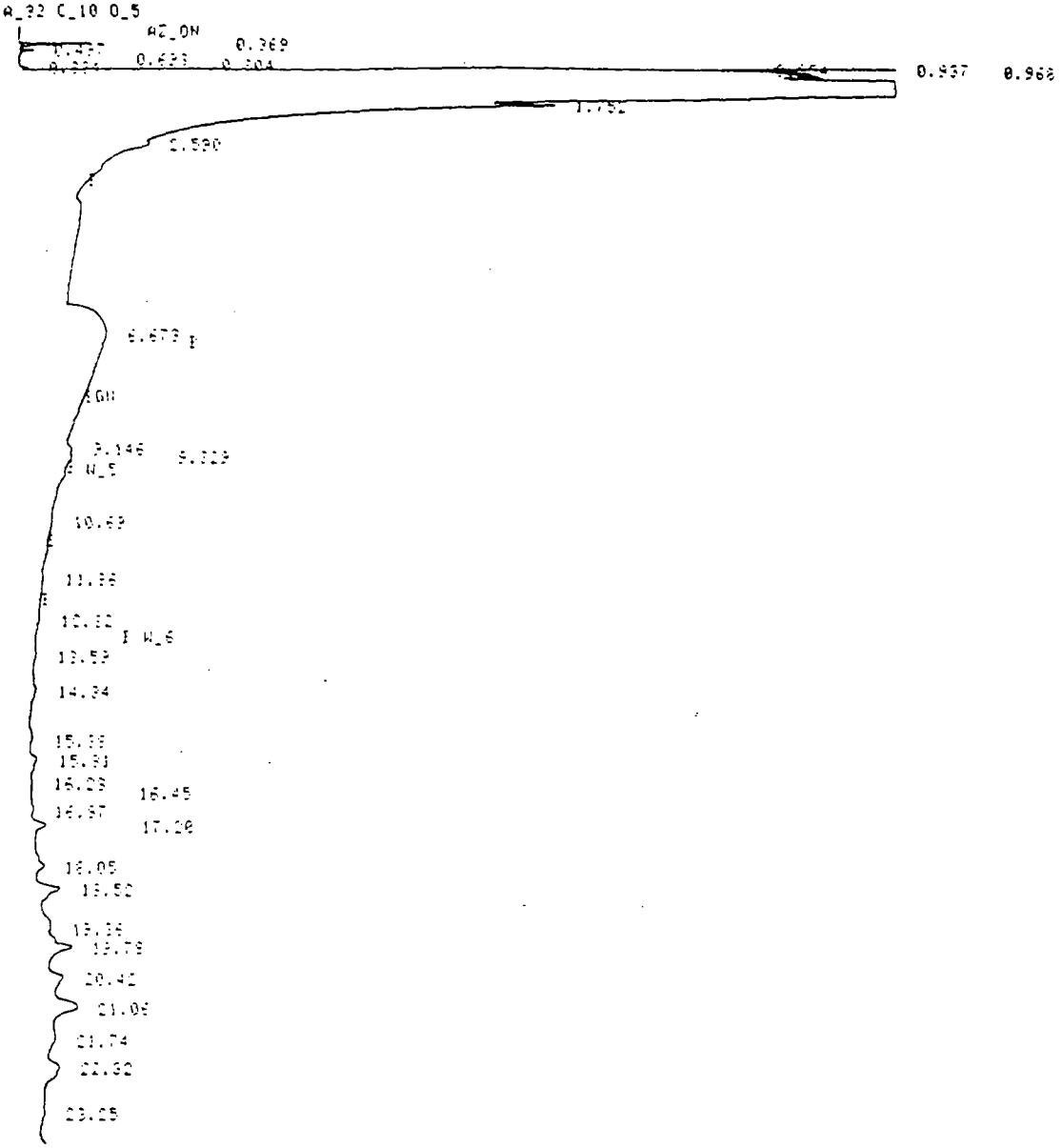
FILE 76 RUN 64 STARTED 17:49.1 80/01/03
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.176	4755	0.7045	V	0.4916	1.0549
9.350	9998	0.9665		1.0337	1.4473
10.57	5149	0.4652		0.5322	0.6965
11.68	4393	0.2184		0.4542	0.3270
12.81	14943	1.1480	V	1.5449	1.7191
13.38	718	0.1373	V	0.0742	0.2056
13.60	4785	0.4332		0.4947	0.6487
14.34	53141	2.4792	V	5.4942	3.7125
15.38	18337	1.2615	V	1.8959	1.8890
15.90	48241	3.3935	V	4.9876	5.0817
16.28	1510	0.2875	V	0.1561	0.4305
16.46	1956	0.3169	V	0.2022	0.4745
16.88	13641	1.2268	V	1.4103	1.8371
17.20	70172	6.4661	V	7.2550	9.6927
18.05	55046	3.8330	V	5.6912	5.8146
18.52	116470	9.5874	V	12.0417	14.3567
19.24	26912	1.9020	V	2.7824	2.8482
19.78	133743	9.3026	V	13.8276	14.6789
20.42	67159	4.9161	V	6.9435	7.3617
21.06	165488	9.9130	V	17.1095	14.8443
21.72	32779	1.6629	V	3.3890	2.4901
22.33	103986	5.0017	V	10.7510	7.4899
23.24	13902	0.6066	V	1.4373	0.9084

23 PEAKS - AREA REJECT 967219 TOTAL AREA
23 PEAKS - HEIGHT REJECT 66.7799 TOTAL HEIGHT

3 ul Spike-dup (1/12 km) 800:2.2

FILE 77 RUN 65 STARTED 18:21.1 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



FILE 77 RUN 65 STARTED 18:21.1 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

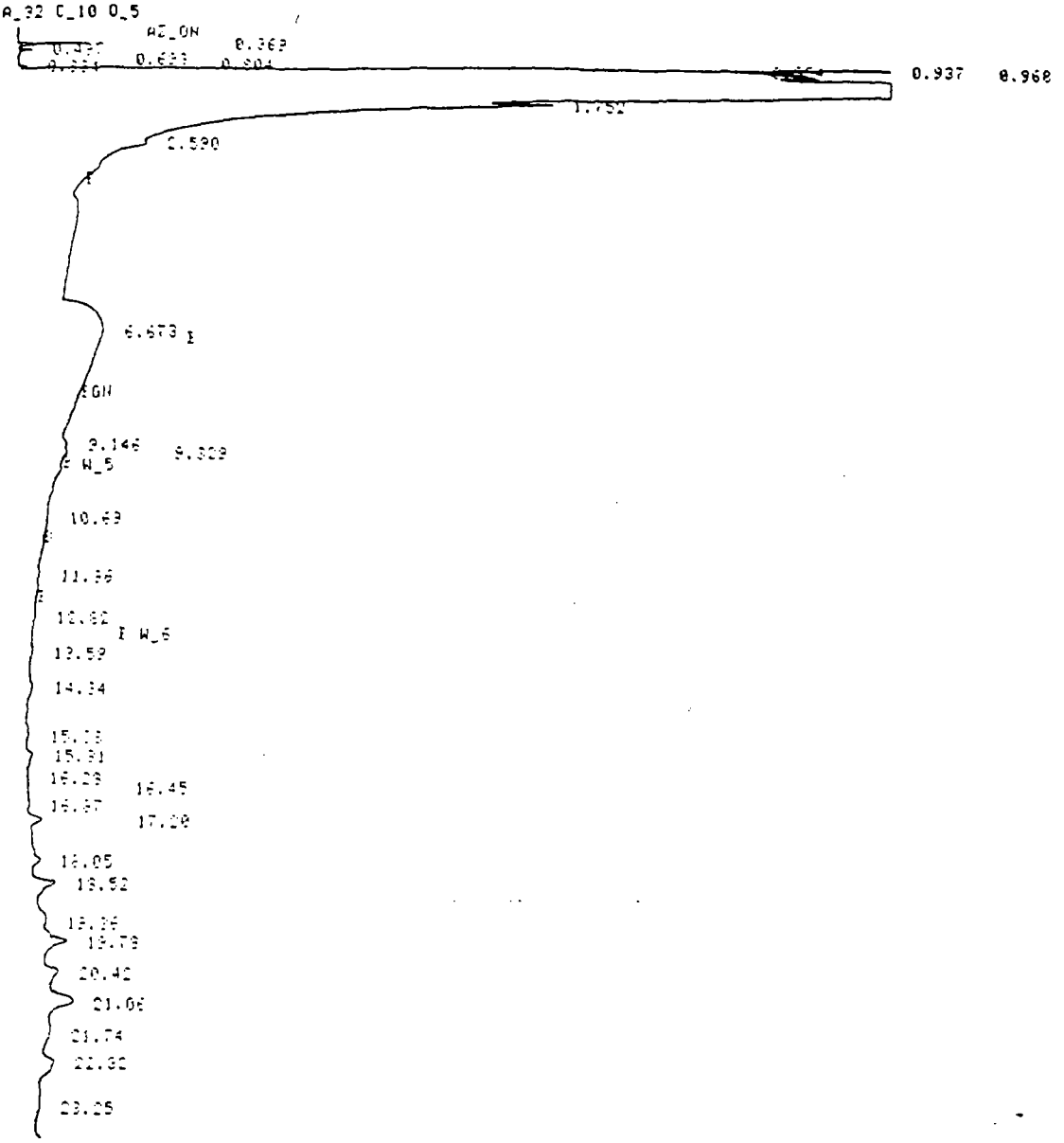
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.146	5369	0.7497	V	0.6710	1.3937
9.329	9099	0.9054		1.1372	1.6733
10.69	5112	0.3796		0.6390	0.7016
11.86	6243	0.1931		0.7803	0.3569
12.82	10390	0.7477		1.2987	1.3818
13.59	10633	0.6004	V	1.3290	1.1097
14.34	35953	1.6654	V	4.4939	3.0778
15.38	15047	0.9806	V	1.8806	1.8123
15.81	36537	2.4207	V	4.5669	4.4737
16.28	1150	0.2230	V	0.1437	0.4122
16.45	1400	0.2253	V	0.1750	0.4165
16.87	10530	0.8175	V	1.3162	1.6957
17.20	50904	4.8130	V	6.3626	8.8950
18.05	41826	3.0263	V	5.2280	5.5930
18.52	93172	7.6626	V	11.6458	14.1614
19.36	24896	1.2643	V	3.1118	2.3366
19.78	109247	8.1485	V	13.6551	15.0594
20.42	60392	4.2365	V	7.5496	7.9220
21.06	138236	8.3804	V	17.2785	15.4880
21.74	27356	1.4274	V	3.4193	2.6380
22.32	90142	4.4138	V	11.2671	8.1573
23.25	16415	0.6787	V	2.0518	1.2543

22 PEAKS > AREA REJECT 800045 TOTAL AREA
22 PEAKS > HEIGHT REJECT 54.1090 TOTAL HEIGHT

FILE 77 RUN 65 STARTED 18:21.1 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

3 ml Spike-dup (1:10 km) 800-2.2-1

W_4 A_32 C_10 O_5



FILE 77 RUN 65 STARTED 18:21.1 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

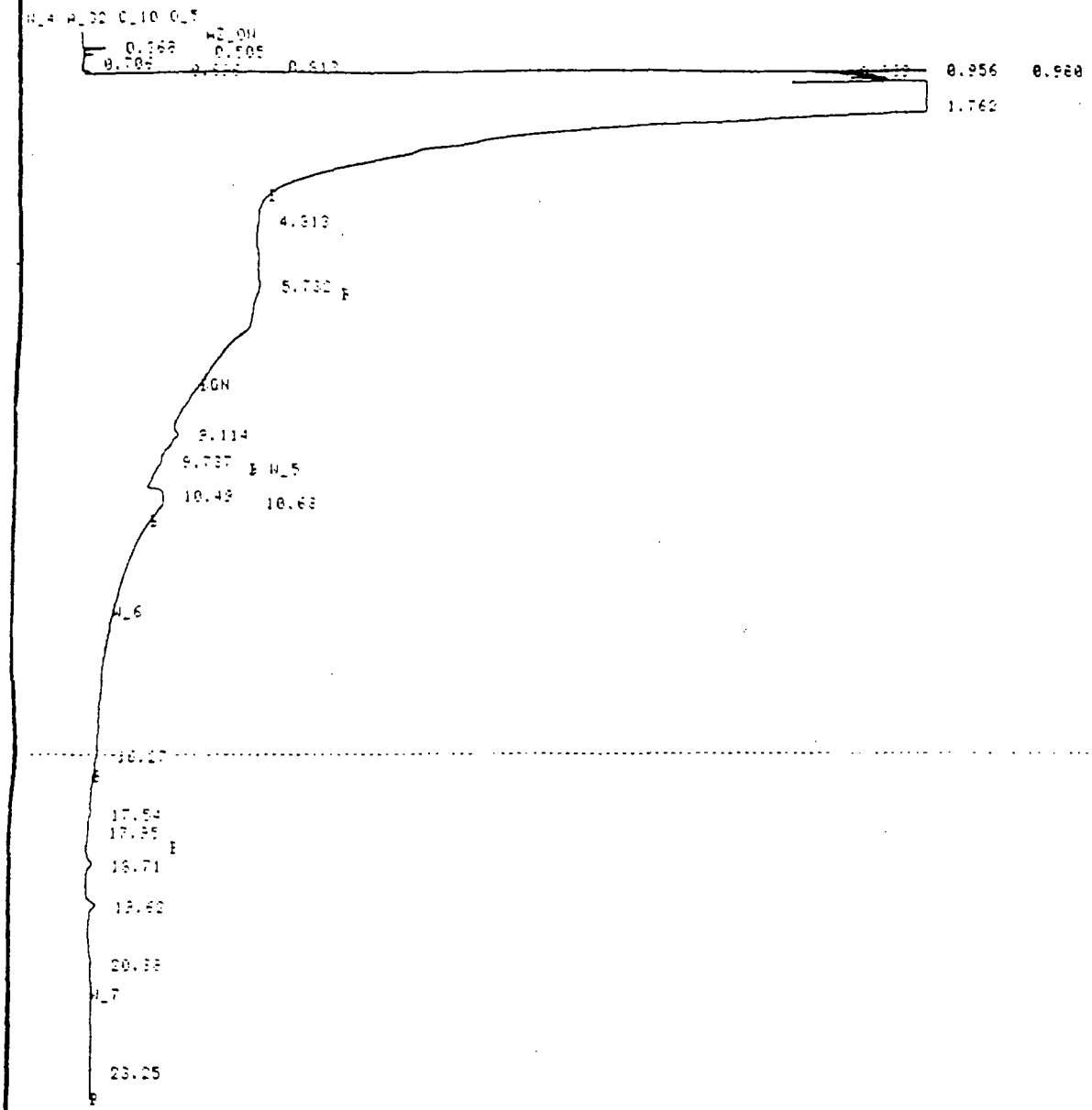
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.146	5865	0.7487	V	0.6710	1.3897
9.309	9035	0.9954		1.1372	1.6733
10.69	5112	0.3756		0.6390	0.7016
11.86	6243	0.1931		0.7803	0.3569
12.82	10390	0.7477		1.2987	1.3818
13.59	10613	0.6004	V	1.3230	1.1097
14.34	35953	1.6654	V	4.4939	3.0778
15.33	15047	0.9506	V	1.8809	1.8103
15.81	36537	2.4207	V	4.5669	4.4787
16.23	1150	0.2290	V	0.1437	0.4102
16.45	1400	0.2253	V	0.1750	0.4165
16.87	10530	0.9175	V	1.3162	1.6957
17.20	50904	4.9130	V	6.3626	8.8950
18.05	41926	3.0263	V	5.2230	5.5930
18.52	93172	7.6626	V	11.6459	14.1614
19.36	24896	1.2643	V	3.1113	2.3366
19.78	109247	8.1485	V	13.6551	15.0594
20.42	60392	4.2265	V	7.5456	7.9220
21.06	138239	8.3604	V	17.0735	15.4600
21.74	27956	1.4274	V	3.4193	2.6990
22.32	90142	4.4120	V	11.2671	8.1573
23.25	16415	0.6787	V	2.0512	1.2543

22 PEAKS : AREA REJECT 800045 TOTAL AREA
22 PEAKS : HEIGHT REJECT 54.1090 TOTAL HEIGHT

417

3ul 9010419 800:2

FILE 98 RUN 86 STARTED 23:44.9 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



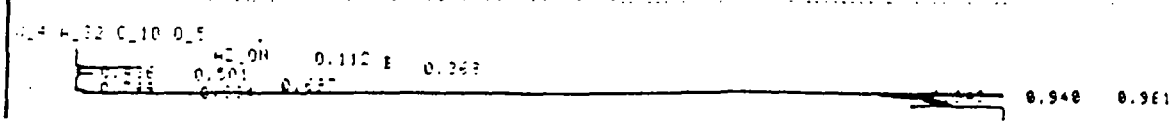
FILE 98 RUN 86 STARTED 23:44.9 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.114	55164	2.8669	V	28.4286	20.4775
9.737	5259	0.6052		2.7102	4.3225
10.49	29698	2.1317	V	15.3048	15.2255
10.68	19897	1.1145		10.2536	7.9604
16.27	3931	0.5481		2.0258	3.9149
17.54	5397	0.5055	V	2.7811	3.6103
17.95	3938	0.3546		2.0294	2.5331
18.71	21469	1.9958	V	11.0640	14.2555
19.62	41476	3.0296	V	21.3745	21.6398
20.88	2993	0.5575	V	1.5425	3.9821
23.25	4823	0.2909		2.4855	2.0779

11 PEAKS > AREA REJECT 194044 TOTAL AREA
11 PEAKS > HEIGHT REJECT 14.0003 TOTAL HEIGHT

3ul 9010420 800:2.2

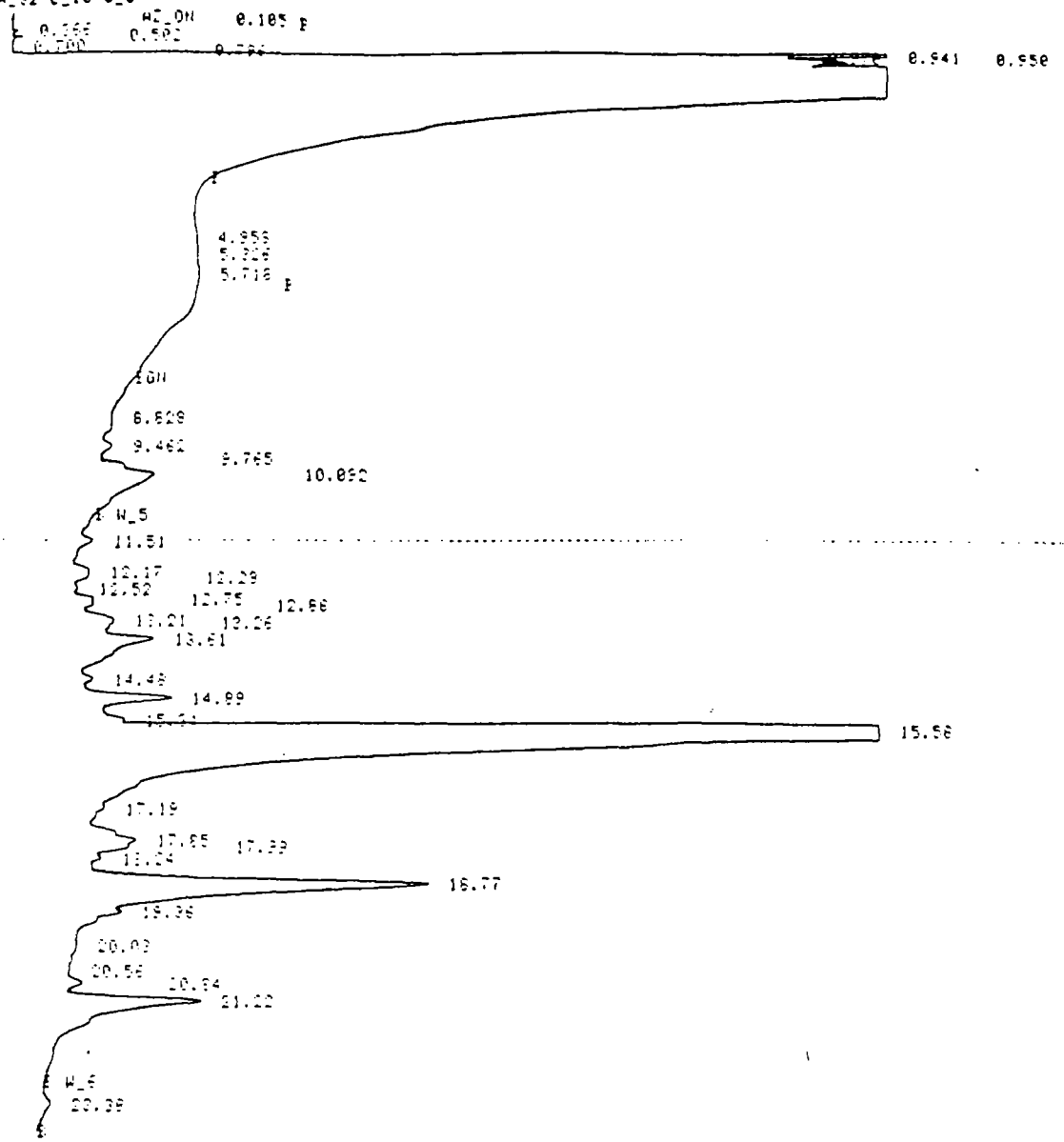
FILE 99 RUN 87 STARTED 00:15.3 80/01/11
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



420

% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

W_4 A_32 C_10 O_5



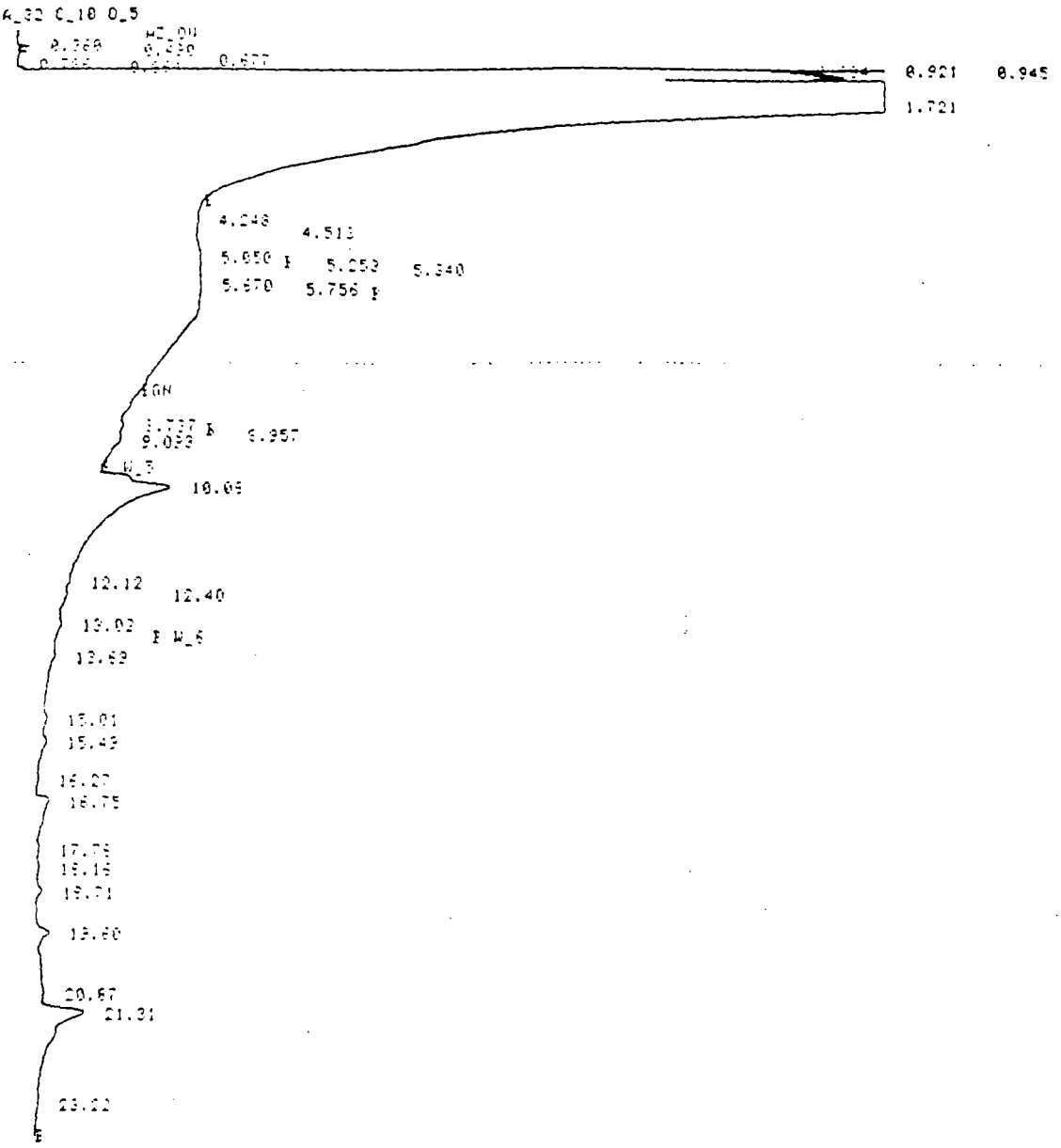
FILE 100 RUN 33 STARTED 01:00.9 80/01/11
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.828	1173	0.2225	V	0.0064	0.0244
9.462	41013	3.5491	V	0.2226	0.3871
9.765	1649	0.5900	V	0.0090	0.0643
10.092	611539	18.9195		3.3195	2.0634
11.51	56637	4.5562	V	0.3074	0.4969
12.17	21572	2.0567	V	0.1171	0.2243
12.28	5949	1.1493	V	0.0323	0.1253
12.52	6929	1.1965	V	0.0376	0.1305
12.75	16961	2.9046	V	0.0921	0.3168
12.89	8835	1.7698	V	0.0480	0.1930
13.21	15944	1.9166	V	0.0860	0.2090
13.26	1071	0.7898	V	0.0058	0.0860
13.61	366645	18.6443	V	1.9902	2.0334
14.48	30763	3.6854	V	0.1670	0.4019
14.89	293542	27.1230	V	1.5934	2.9581
15.34	6187	2.0929	V	0.0336	0.2283
15.58	13553527	641.3958	V	73.5712	69.9517
17.19	10428	1.5531	V	0.0566	0.1694
17.85	62048	5.7138	V	0.3368	0.6232
17.99	14460	2.4025	V	0.0785	0.2620
18.24	12444	2.3011	V	0.0675	0.2510
18.77	2150819	113.1024	V	11.6751	12.3353
19.36		3.6257	V		0.3954
20.03	12211	0.5065	V	0.0663	0.0552
20.56	814	0.1754	V	0.0044	0.0191
20.84	47844	4.3505	V	0.2597	0.5290
21.22	1002572	47.0968		5.4422	5.1365
23.38	68856	3.0183		0.3738	0.3292

27 PEAKS > AREA REJECT 18422338 TOTAL AREA
28 PEAKS > HEIGHT REJECT 916.8931 TOTAL HEIGHT

FILE 101 RUN 89 STARTED 01:32.9 80/01/11
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

2.9 ul 9010421 800:2.1



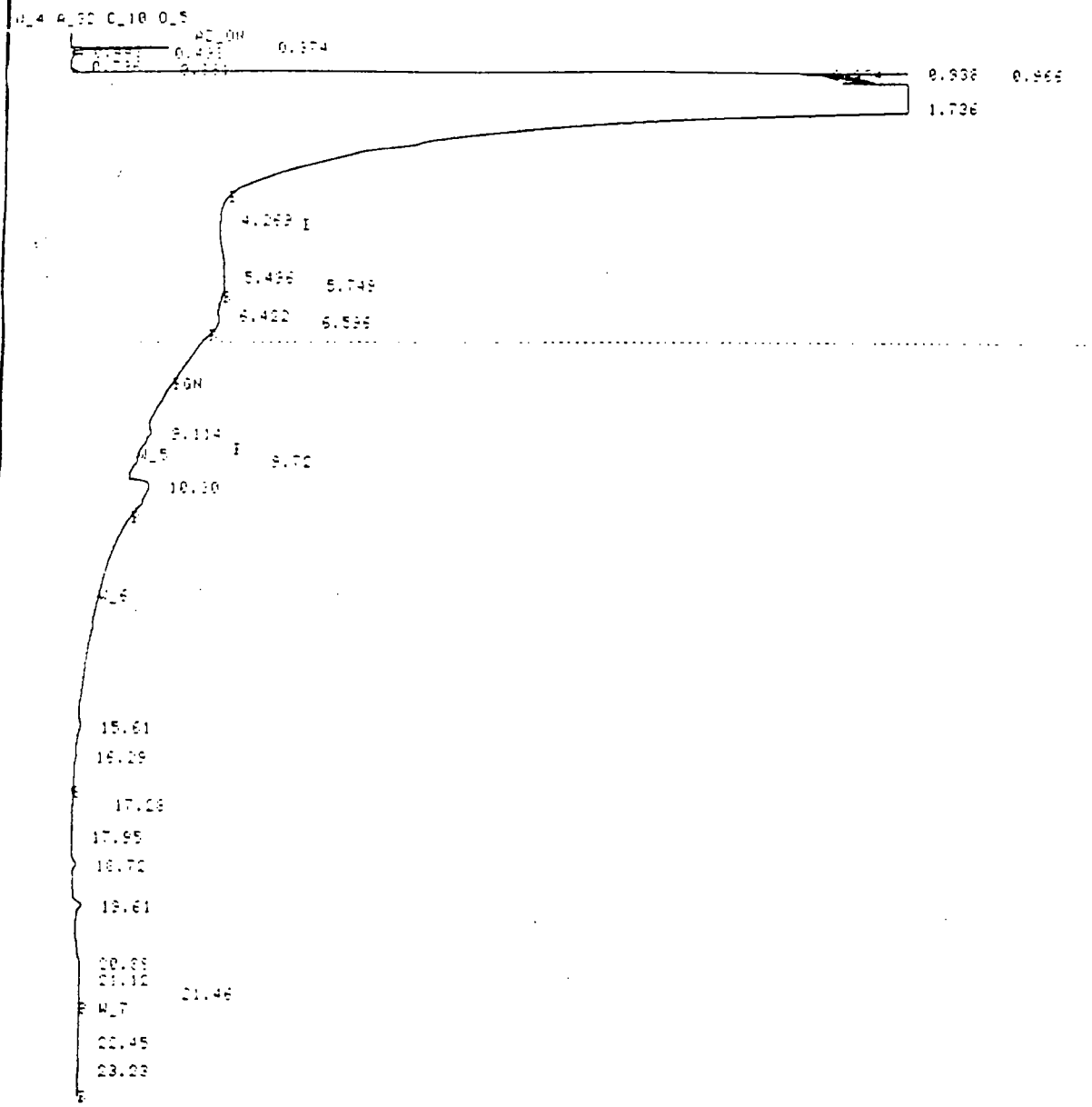
FILE 101 RUN 89 STARTED 01:32.9 80/01/11
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.737	7443	0.9708		0.4090	1.5077
8.957	375	0.8931	V	0.0195	0.1723
9.093	900	0.7771		0.0495	1.2068
10.09	1001317	26.1039	V	55.0226	40.5400
12.12	4088	0.5496	V	0.2246	0.8535
12.40	11979	0.9543	V	0.6582	1.4820
13.02	21200	1.4387		1.1649	2.2343
13.69		0.8719	V		1.3540
15.01	21142	1.6957	V	1.1618	2.6335
15.49	30550	1.9580	V	1.6787	3.0409
16.27	5685	0.5754	V	0.3124	0.8936
16.75	127827	4.3890	V	7.0241	6.8162
17.75	9168	0.7646	V	0.5038	1.1874
18.16	6492	0.5937	V	0.3567	0.9220
19.71	22469	1.9855	V	1.2346	3.0835
19.60	56710	4.2369	V	3.1162	6.5799
20.87	36447	0.9599	V	2.0027	1.4892
21.31	451377	15.0915	V	24.8033	23.4220
23.22	4654	0.3871		0.2574	0.6012

18 PEAKS : AREA REJECT 1819829 TOTAL AREA
19 PEAKS : HEIGHT REJECT 64.3904 TOTAL HEIGHT

FILE 102 FUN 90 STARTED 02:20.1 90/01/11
% METHOD 1 DIESEL LAST EDITED 00:17.3 90/01/03

29ml 9010422 800·2·6



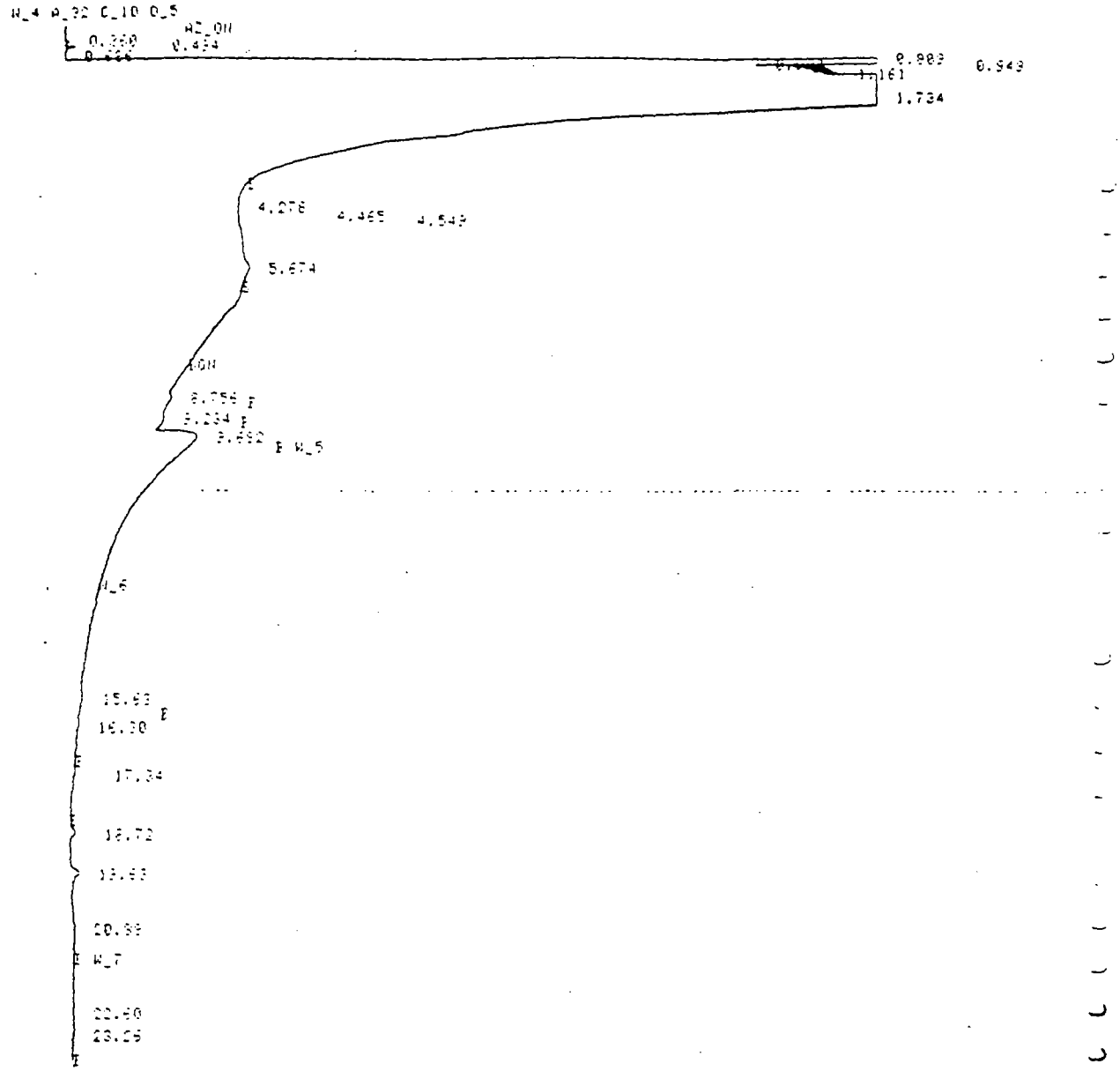
FILE 102 FUN 90 STARTED 02:20.1 90/01/11
% METHOD 1 DIESEL LAST EDITED 00:17.3 90/01/03

FT	AREA	HEIGHT	IC	AREA PERCENT	HEIGHT PERCENT
9.114	24284	1.9931		9.2579	11.1937
9.72	2613	0.5019	U	0.7056	2.8616
10.30	230039	7.0542		62.1185	40.2224
15.61	20762	1.1054	U	5.6066	6.3022
16.29	2009	0.4325		0.5422	2.4662
17.28	3351	0.2240	U	0.9049	1.2773
17.95	5504	0.2132	U	1.4862	1.2159
18.72	19335	1.7923	U	5.3560	10.2199
19.61	29162	3.0108	U	10.5934	17.1674
20.86	1212	0.5290	U	0.3272	3.0177
21.12	513	0.0761	U	0.1385	0.4341
21.46	1759	0.1113		0.4931	0.6351
22.45	3224	0.1475	U	0.8705	0.8411
23.23	5937	0.3737		1.6194	2.1306

14 FEWER > AREA REJECT 370322 TOTAL AREA
14 FEWER > HEIGHT REJECT 17.5379 TOTAL HEIGHT

3ul 9010423 800-2.4

FILE 51 RUN 69 STARTED 20:34.9 80/01/03
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



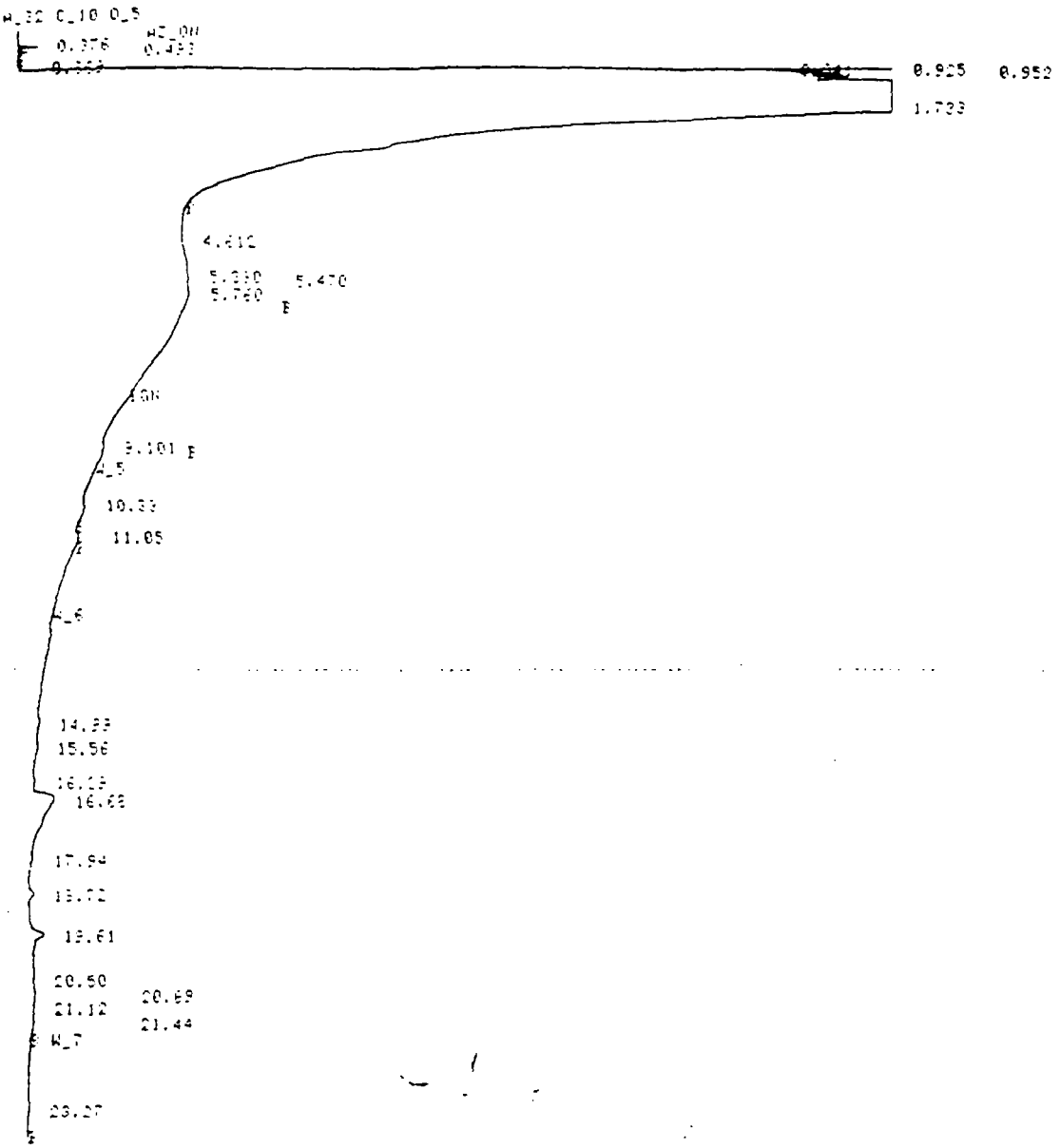
FILE 51 RUN 69 STARTED 20:34.9 80/01/03
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

FT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.756	6690	0.7659		2.0674	3.7754
9.234	4861	0.5314		1.5045	2.6691
9.692	197594	10.7975		56.0599	53.2245
15.63	10058	0.5522		3.1749	2.7251
16.30	2115	0.4583		0.6544	2.2617
17.34		0.1705			0.8415
18.72	-23465	2.0249	U	7.2696	9.9905
19.63	-49279	3.3413	U	15.2517	16.4886
20.99	-28519	1.0156		8.8266	5.0127
22.60	5619	0.2139	U	1.7398	1.0556
23.26	-4712	0.3525		1.4583	1.7394

10 FEWYS > AREA REJECT 323105 TOTAL AREA
11 FEWLS > HEIGHT REJECT 20.2641 TOTAL HEIGHT

FILE 82 RUN 70 STARTED 21:12.5 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/09

3ml 9010424 800.2.3



FILE 82 RUN 70 STARTED 21:12.5 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/09

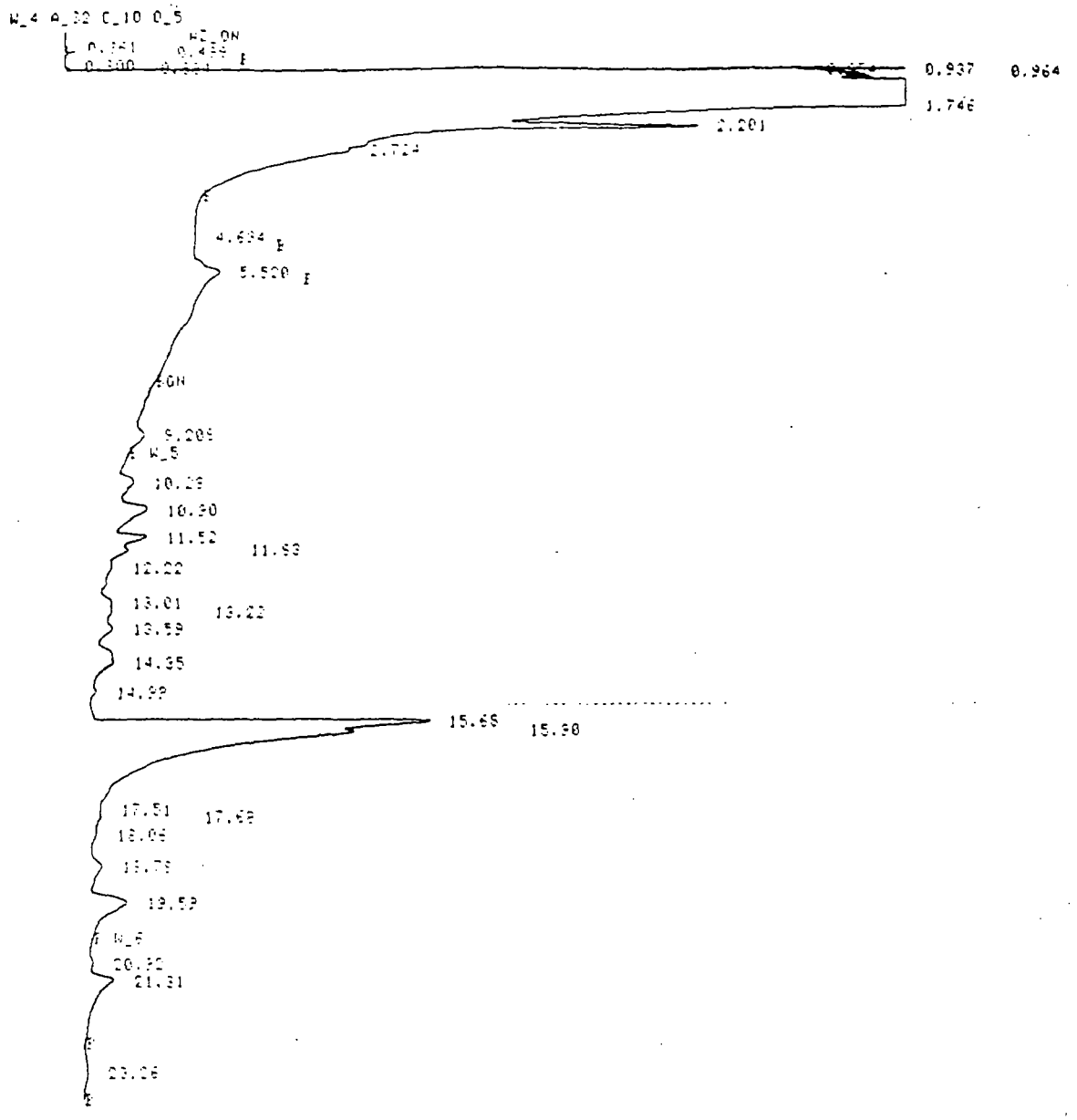
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.101	5271	0.5477		1.2085	2.6825
10.33	23694	0.6200		5.4330	3.0362
11.05	17533	1.2788		4.0203	6.2628
14.99	9086	0.4475	V	1.8541	2.1915
15.56	15451	0.8784	V	3.5429	4.3019
16.29	3300	0.4578	V	0.7567	2.2422
16.68	253269	7.3785	V	58.0748	36.1355
17.94	7454	0.7072	V	1.7091	3.4634
18.72	-21014	1.9293	V	4.8185	9.4484
19.61	-52973	4.4465	V	12.1469	21.7762
20.50	3623	0.2819	V	0.8307	1.3805
20.89	-3247	0.4938	V	0.7445	2.4181
21.12	1333	0.1526	V	0.3057	0.7473
21.44	3910	0.2007		0.8966	0.9830
23.27	-15952	0.5984		3.6578	2.9306

15 PEAKS > AREA REJECT 436109 TOTAL AREA
15 PEAKS > HEIGHT REJECT 20.4169 TOTAL HEIGHT

12 PEAKS > AREA REJECT 322140 TOTAL AREA
12 PEAKS > HEIGHT REJECT 20.1749 TOTAL HEIGHT

3ul 9010425 800:2.2

FILE 93 RUN 71 STARTED 21:49.1 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



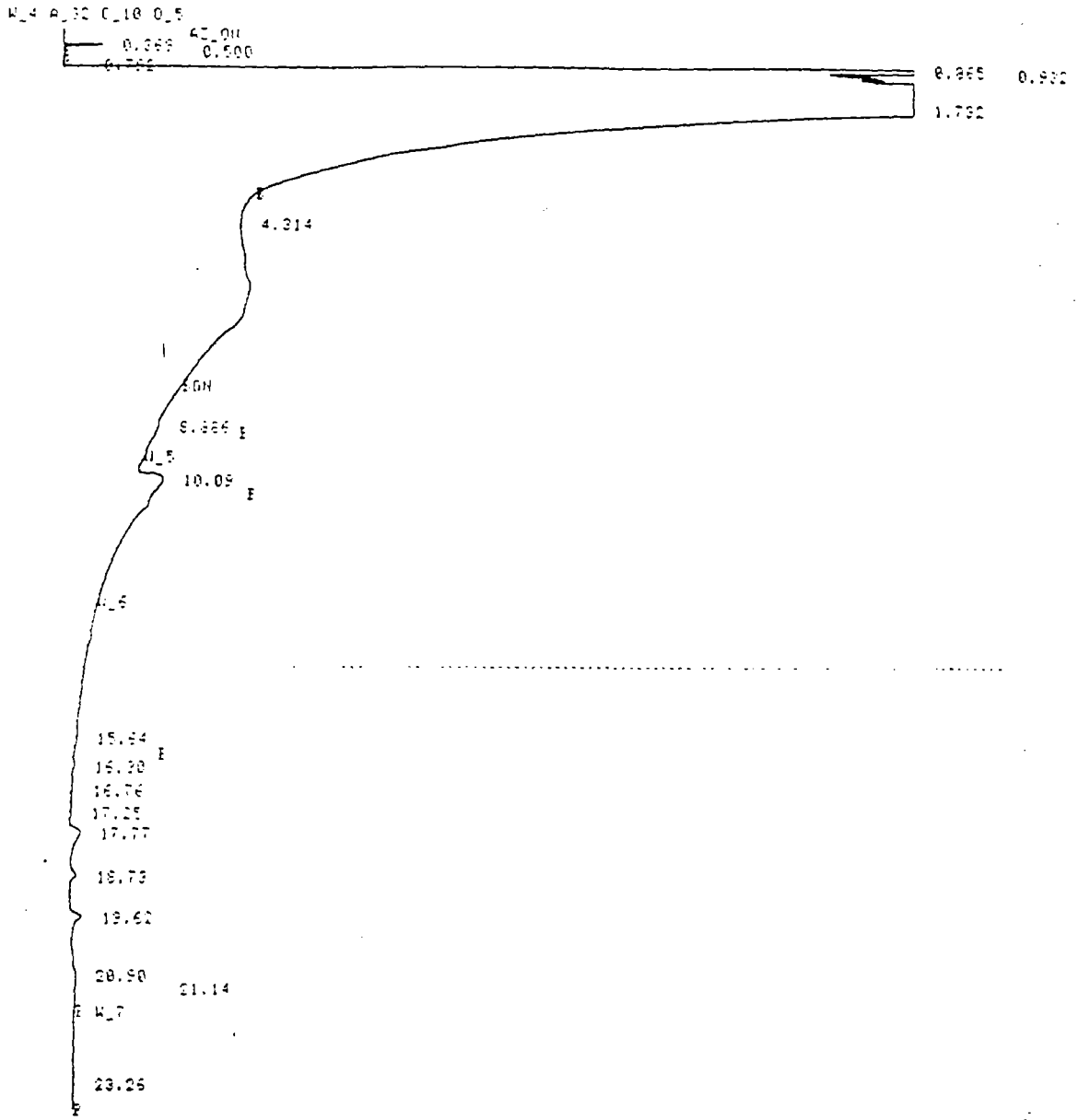
FILE 93 RUN 71 STARTED 21:49.1 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.209	71218	3.6052		4.9526	2.6428
10.29	94410	4.5453	V	5.6699	3.3320
10.90	200495	9.7406	V	13.9426	7.1404
11.52	99867	10.3436	V	6.9449	7.5824
11.83	23031	2.8522	V	1.6016	2.0908
12.22	22403	0.9504	V	1.5579	0.6967
13.01	13666	1.6406	V	0.9503	1.2026
13.22	9139	0.9790	V	0.6355	0.7169
13.59	40914	2.8617	V	2.8452	2.0978
14.35	157880	6.0775	V	10.9791	4.4552
14.99	9327	1.1721	V	0.6486	0.8592
15.68		55.1802	V		40.4503
15.90		7.0435	V		5.1633
17.51	1243	0.2479	V	0.0864	0.1817
17.68	2863	0.5076	V	0.1991	0.3721
18.06	5917	0.6060	V	0.4114	0.4442
18.78	91022	4.0584	V	6.3299	2.9750
19.59	325206	12.9204		22.6151	9.4714
20.92	12272	1.1719	V	0.8534	0.8591
21.31	220572	8.6152		15.3399	6.3154
23.26	46560	1.2965		3.2379	0.9504

19 PEAKS > AREA REJECT 1438003 TOTAL AREA
21 PEAKS > HEIGHT REJECT 136.4149 TOTAL HEIGHT

24ul 9010487 800:2.6

FILE 84 RUN 72 STARTED 00:33.5 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



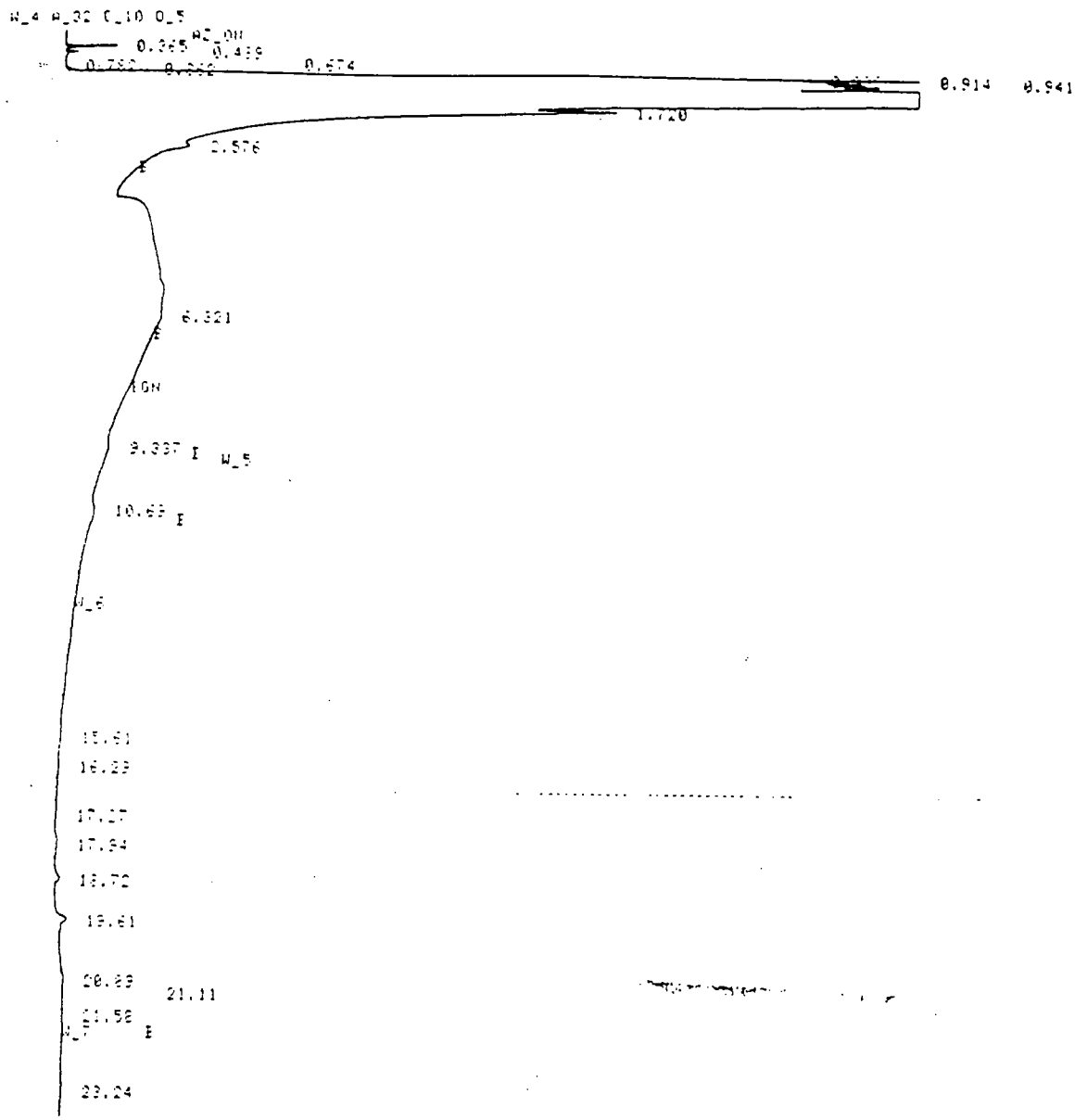
FILE 84 RUN 72 STARTED 00:33.5 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.866	4104	0.3400		1.2740	1.7265
10.09	121526	6.7816		37.7245	33.6194
15.64	8294	0.4239		2.6957	2.0962
16.30	5529	0.6886	V	1.7160	3.4130
16.76	2892	0.1991	V	0.8976	0.9871
17.25	3461	0.2224	V	1.0744	1.1022
17.77	81445	3.8735	V	25.2838	19.1956
18.73	-24954	2.3156	V	7.7463	11.4779
19.62	-52839	4.1356	V	16.4509	20.4966
20.90	-5939	0.6748	V	1.8521	3.3449
21.14	3391	0.1273		1.0526	0.6310
23.26	-6884	0.3636		2.1122	1.8015

12 PEAKS : AREA REJECT 322140 TOTAL AREA
12 PEAKS : HEIGHT REJECT 20.1748 TOTAL HEIGHT

FILE 85 RUN 73 STARTED 23:05.0 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

2.85ml 9010 488 800:25



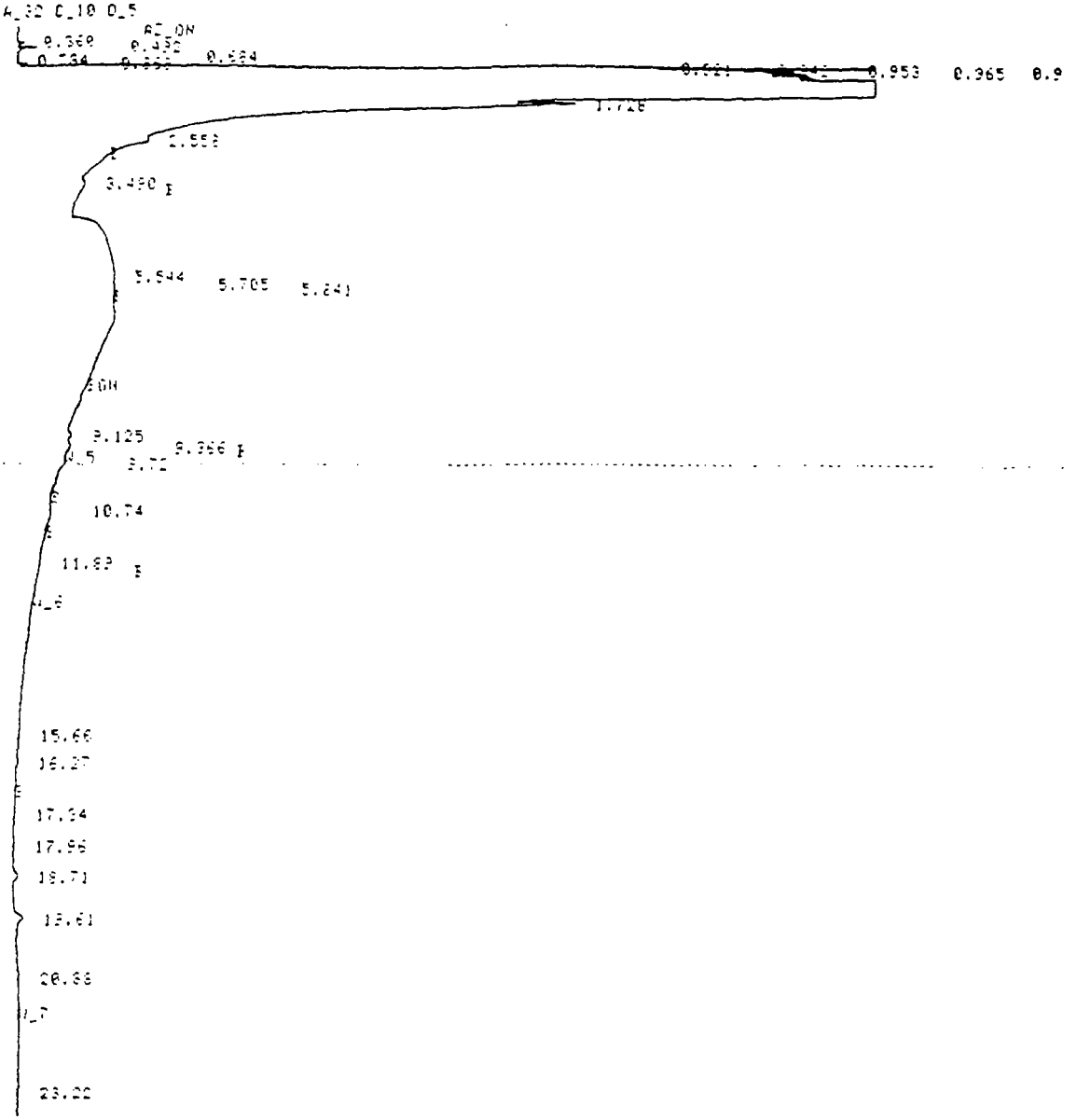
FILE 85 RUN 73 STARTED 23:05.0 80/01/09
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.337	5865	0.5052		4.5181	5.2608
10.69	10290	0.8391		7.7954	8.4060
15.61	9423	0.4244	U	7.1378	4.2517
16.23	6930	0.4607	U	5.2486	4.6155
17.27	5070	0.3611	U	3.5482	3.6171
17.94	17829	0.9409	U	13.5043	9.4258
18.72	-21422	1.6195	U	16.2258	16.2267
19.61	-43559	3.4794	U	32.9927	34.8453
20.89		0.4450	U		4.4574
21.11	1423	0.1639	U	1.0774	1.6421
21.58	2421	0.1476		1.8334	1.4804
23.24	-7705	0.3715	U	5.8357	3.7219

11 PEAKS > AREA REJECT 132025 TOTAL AREA
10 PEAKS > HEIGHT REJECT 9.9825 TOTAL HEIGHT

305 ul 9010531 800:2.2

FILE 95 RUN 83 STARTED 21:58.4 90/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 00/01/03



FILE 95 RUN 83 STARTED 21:58.4 90/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 00/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.125	10382	1.4453	V	7.9897	13.1373
9.366	8319	1.0539		6.4020	9.5721
9.72		0.7429			6.7482
10.74	22206	0.8701		17.0990	7.9031
11.89	3663	0.2740		2.8195	2.4895
15.66	3949	0.1917	V	2.9621	1.7410
16.27	3403	0.4672		2.6188	4.2434
17.34	2791	0.2109	V	2.1479	1.9160
17.96	5319	0.2874	V	4.0933	2.6101
18.71	18317	1.7438	V	14.0962	15.8396
19.61	43559	3.1150	V	33.5216	28.2948
20.88	3280	0.4111	V	2.5238	3.7337
23.22	4856	0.1951	V	3.7371	1.7728

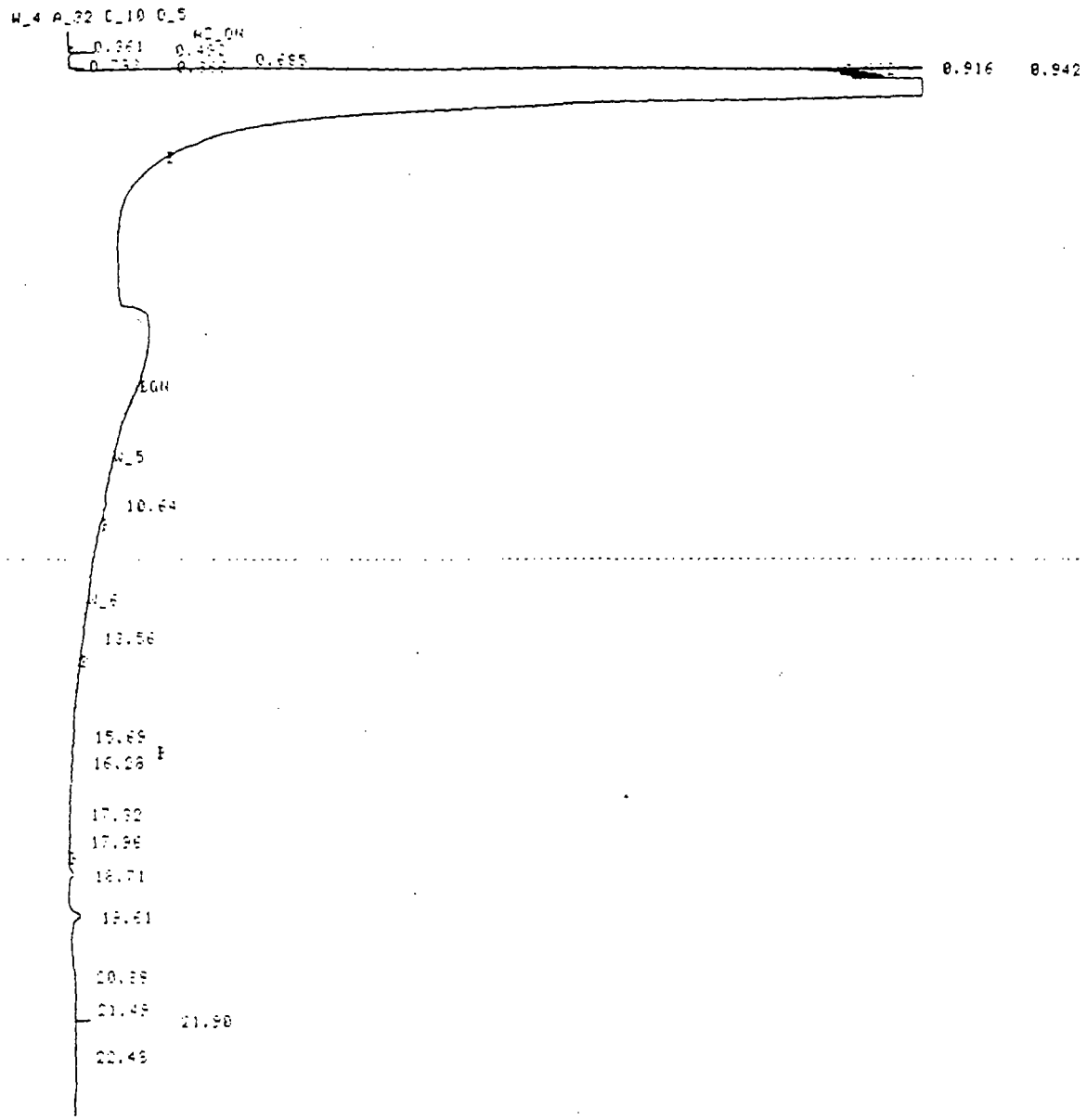
12 PEAKS > AREA REJECT 129943 TOTAL AREA
13 PEAKS > HEIGHT REJECT 11.0092 TOTAL HEIGHT

3 ul 9010532

FILE 95 RUN 94 STARTED 00:34.7 88/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.2 88/01/03

3ml 9010532

806-1.8



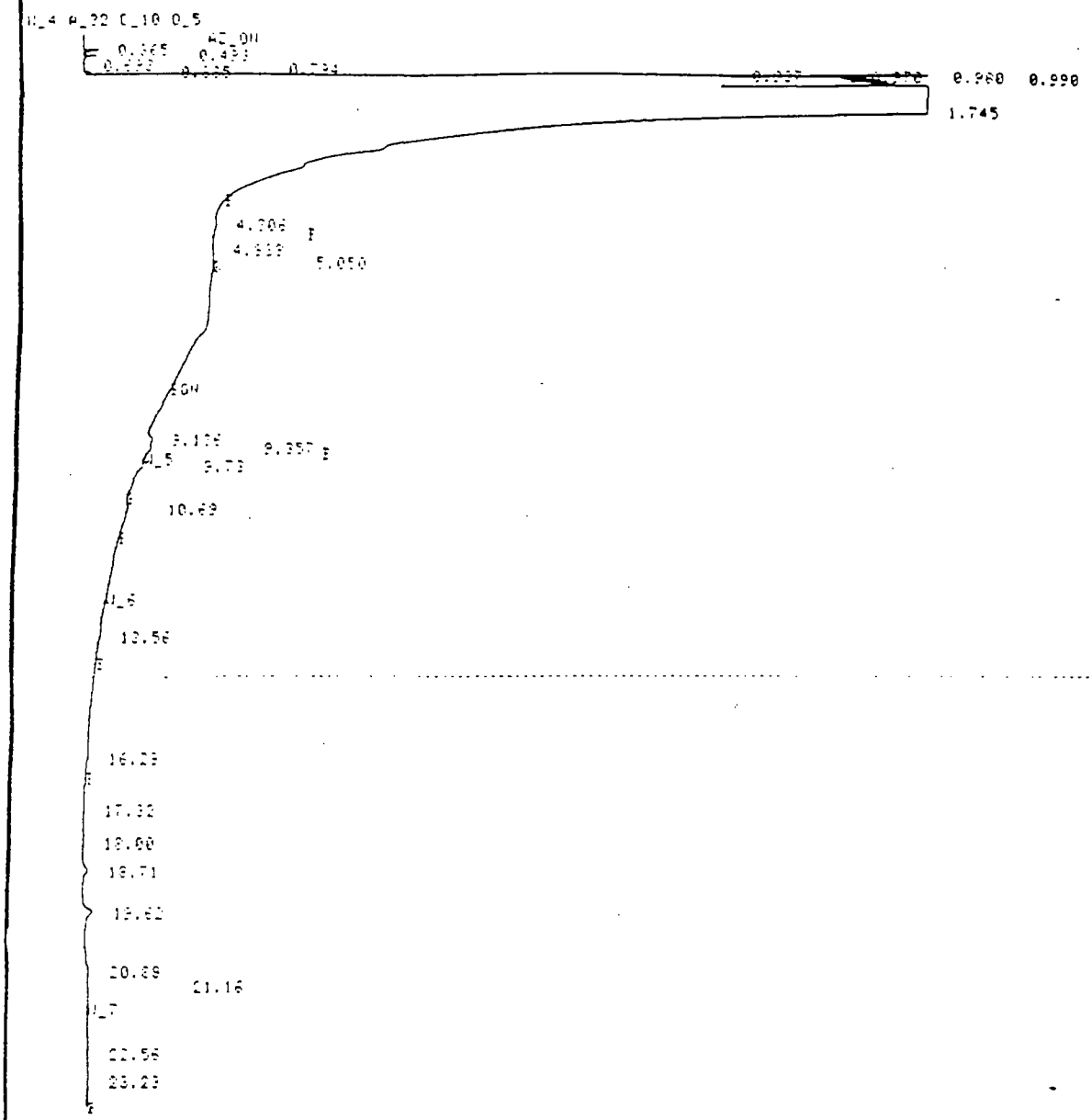
FILE 95 RUN 94 STARTED 00:34.7 88/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 88/01/03

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
10.64	15084	0.7556		11.6027	6.0520
13.56	3495	0.3152		2.7035	2.5229
15.69	7411	0.3790		5.7027	3.0337
16.28	7234	0.5632	U	5.5957	4.5081
17.32	3265	0.2163	U	2.5256	1.7311
17.96	6612	0.4979		5.1146	3.9843
18.71	20813	1.9579	U	16.0996	15.6710
19.61	50215	3.8562	U	38.8431	30.9650
20.88	1311	0.4367	U	1.0142	3.4951
21.49	9387	0.3245	U	7.6635	2.5960
21.90	2739	3.1166	U	2.1187	24.9449
22.48	991	0.0867	U	0.7662	0.6936

12 PEAKS > AREA REJECT 125277 TOTAL AREA
12 PEAKS > HEIGHT REJECT 12.4938 TOTAL HEIGHT

8.9

FILE 97 RUN 95 STARTED 23:09.2 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03



FILE 97 RUN 95 STARTED 23:09.2 80/01/10
% METHOD 1 DIESEL LAST EDITED 00:17.3 80/01/03

PT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
9.136	10845	1.3849	U	7.8356	11.8004
9.357	5819	0.7803		4.2061	6.6527
9.73		0.7695			6.5566
10.69	24118	0.9957		17.4329	8.4842
10.56	4095	0.3719		2.9561	3.1686
16.23	4003	0.5963		2.8979	5.0807
17.32	2072	0.1769	U	1.4977	1.5076
18.00	4292	0.2263	U	3.1023	1.9284
18.71	22699	2.0545	U	16.3932	17.5052
19.62	48340	3.2971	U	34.9411	28.0932
20.89	3075	0.4988	U	2.2227	4.2502
21.16	864	0.1027	U	0.6245	0.8749
22.56	2281	0.1173	U	1.6488	0.9956
23.23	5902	0.3636		4.2661	3.0977

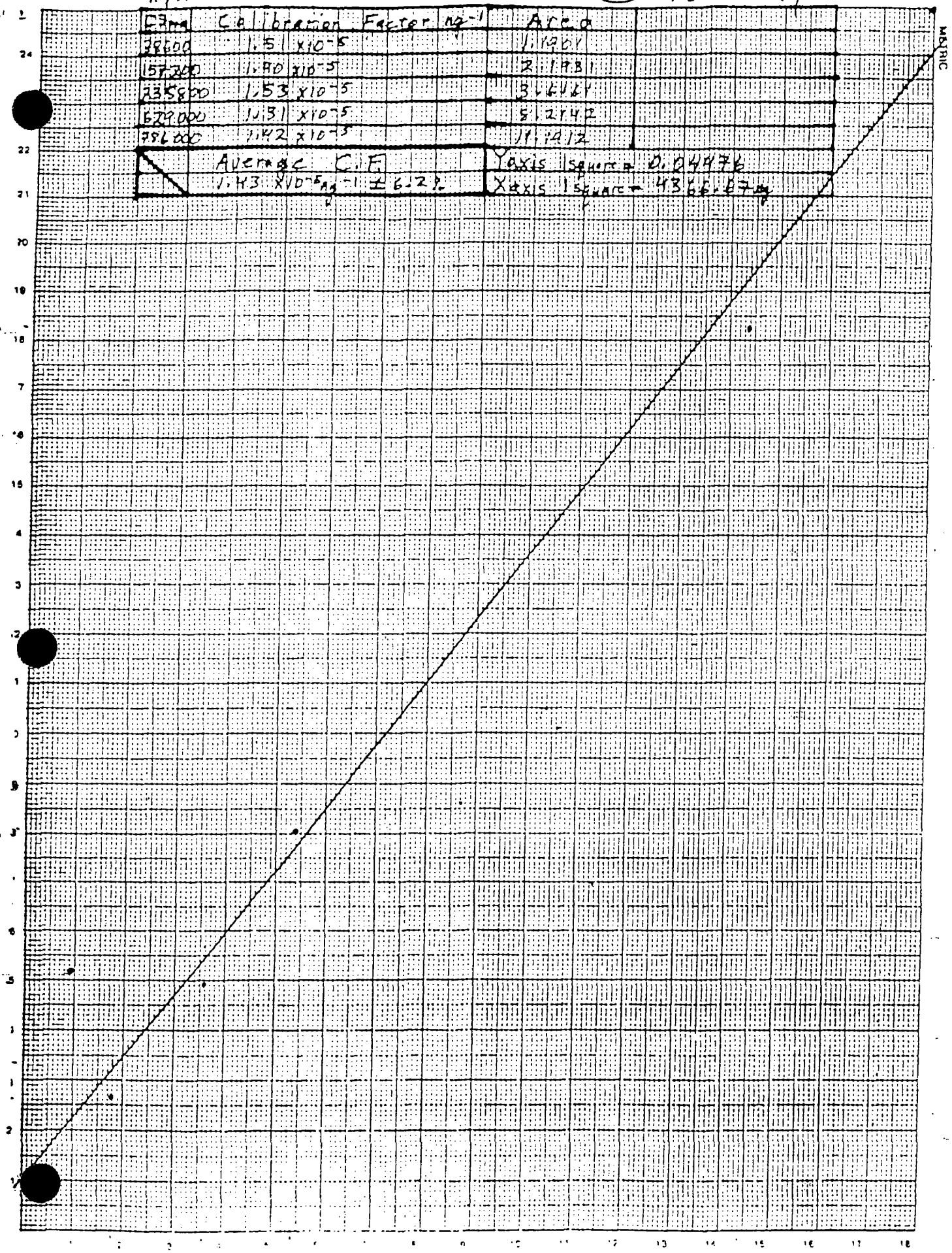
13 PEAKS > AREA REJECT 138347 TOTAL AREA
14 PEAKS > HEIGHT REJECT 11.7363 TOTAL HEIGHT

MeOH (5) Alcohol / Acetone

ng slot

ng	Calibration Factor ng⁻¹	Area
78600	1.51 x10⁻⁵	1.1901
157200	1.40 x10⁻⁵	2.1931
235800	1.53 x10⁻⁵	3.6161
629000	1.31 x10⁻⁵	8.2142
786000	1.42 x10⁻⁵	11.1912

Average C.F.	Y axis 1 square = 0.04476
1.43 x10⁻⁵ ng⁻¹ ± 6.2%	X axis 1 square = 4366.67 ng



SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding Lawson Associates	Client Project ID:	Jasco/Mountain View, 18954.003.04	Q.C. Sample Dates
P.O.Box 578	Method (units):	EPA 8015 (Mod) ug/L	
Novato, CA 94948	Analyst:	T. Fowler	Extracted: 1/12/89 0:00
Attention: Bob Breynaert	QC Sample #:	901-0428	Analyzed: 1/12/89 0:00
	QC Sample Group:	9010419-9010533	Reported: 1/19/89

QUALITY CONTROL DATA REPORT

Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	% Recovery	Conc. Matrix Spike Duplicate	% Recovery	Relative % Deviation
Methanol	N.D.	157200	200000	127	189200	120	2.8
Ethanol	N.D.	1480	1800	122	780	53	40
Acetone	N.D.	237	258	109	108	46	41
Isopropanol	N.D.	447	618	138	248	55	43

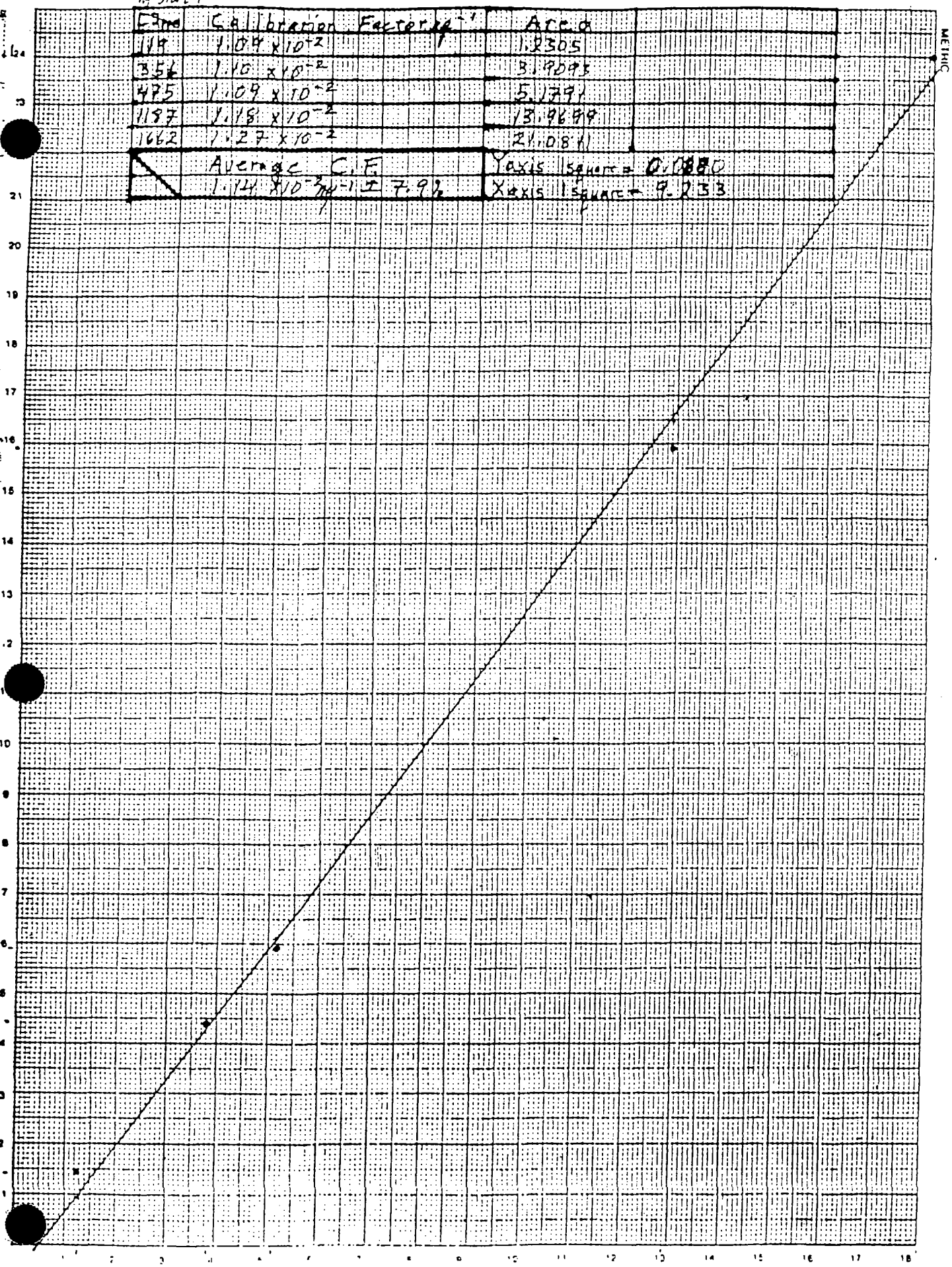
SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

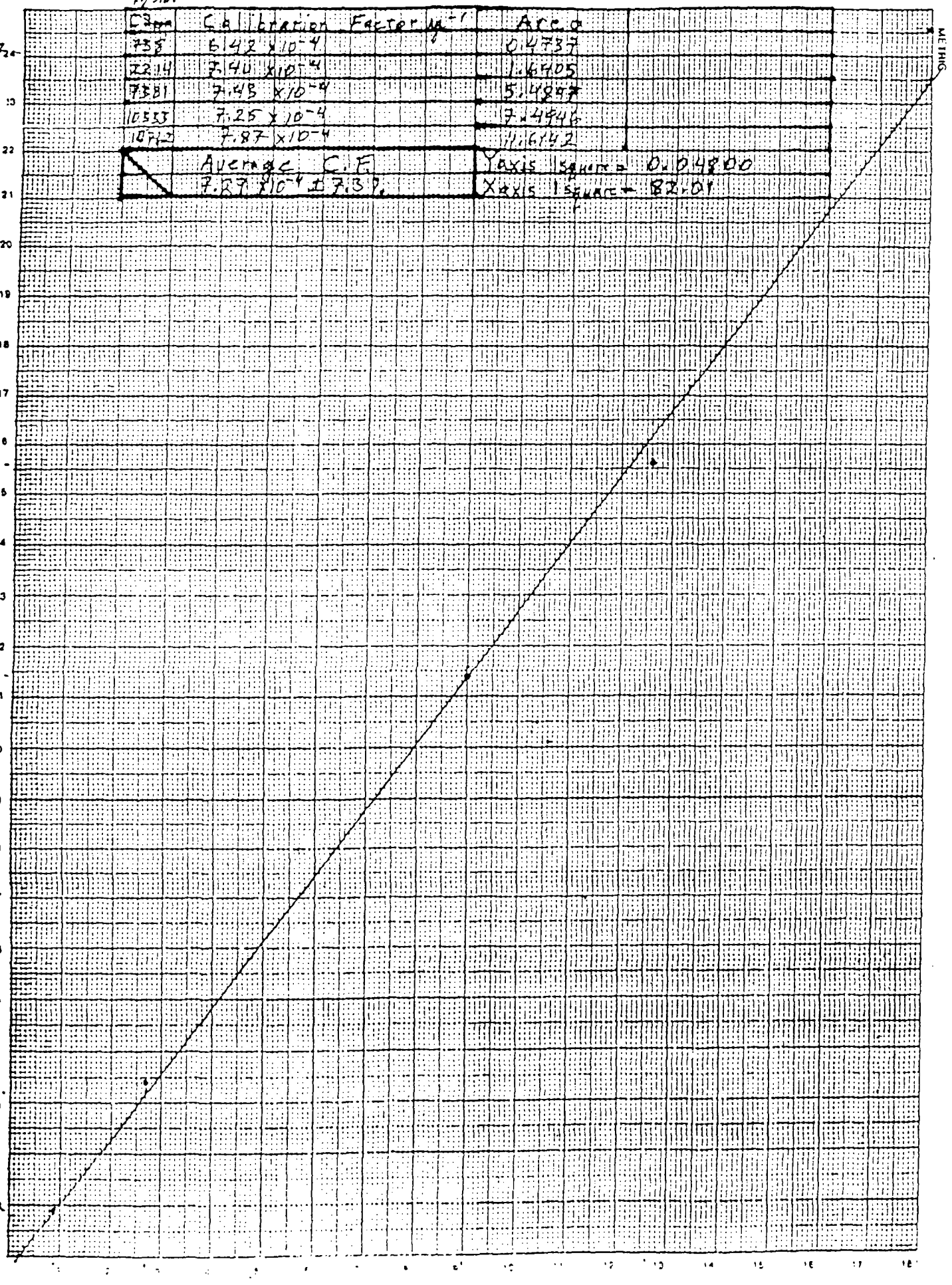
M Shot.

Acetone

Eqns	Calibration Factor eq^{-1}	Area
119	1.09×10^{-2}	1.2305
356	1.10×10^{-2}	3.9093
475	1.09×10^{-2}	5.1791
1187	1.18×10^{-2}	13.9699
1662	1.27×10^{-2}	21.0841
	Average C.F.	Y axis 1 square = 0.0880
	$1.14 \times 10^{-2} eq^{-1} \pm 7.9\%$	X axis 1 square = 9.233



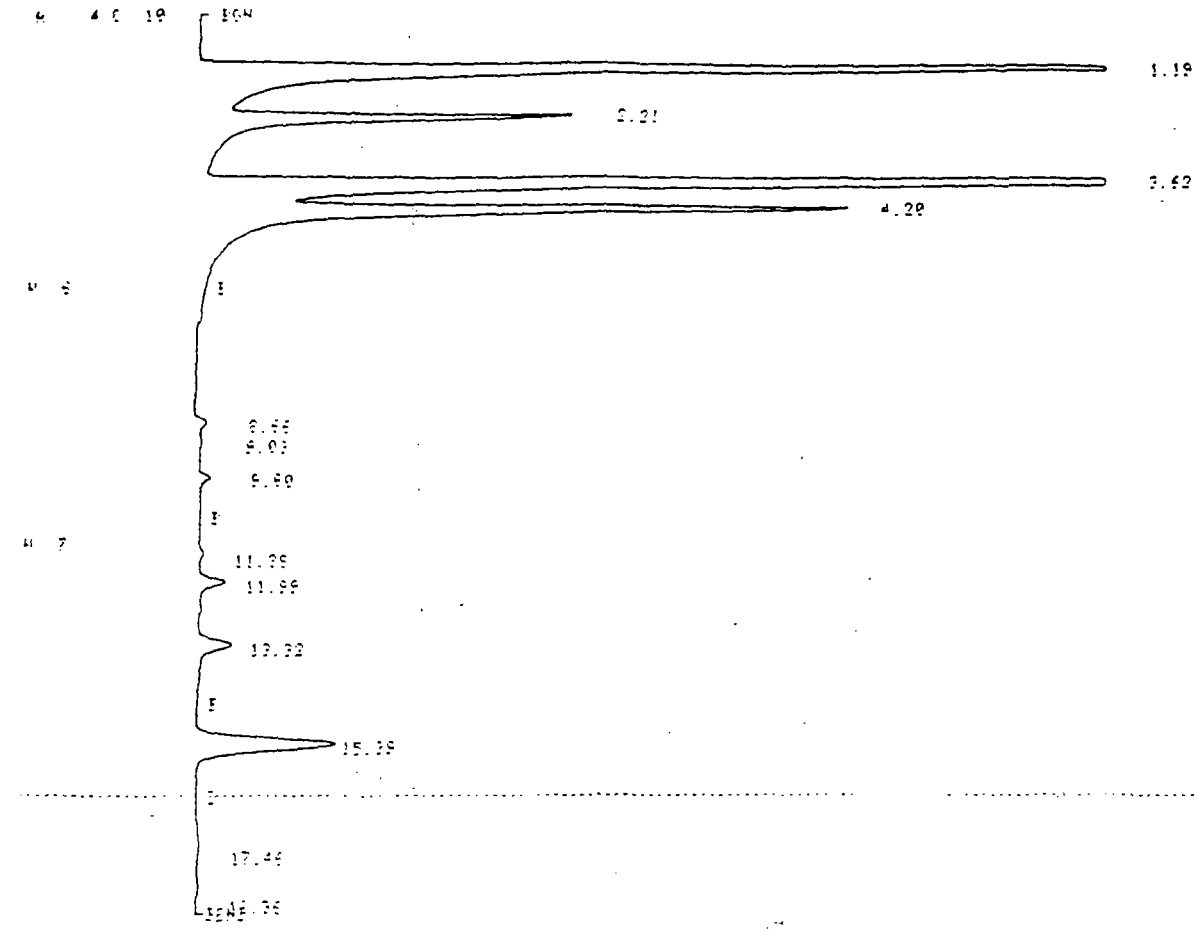
ETOH



Calibration Factor μg^{-1}	Area
738	6.42 x 10^{-4}	0.4737
2214	7.40 x 10^{-4}	1.6405
7381	7.43 x 10^{-4}	5.4897
10333	7.25 x 10^{-4}	7.4946
14762	7.87 x 10^{-4}	11.6142
Average C.F.	Y axis 1 square = 0.04800
7.27 x 10^{-4} ± 7.3%	X axis 1 square = 82.01

RUN 76 19:06 89/01/12 1λ 1T,13 1λ MeOH

METHOD 9 MODIFIED



RUN 76 19:06 89/01/12

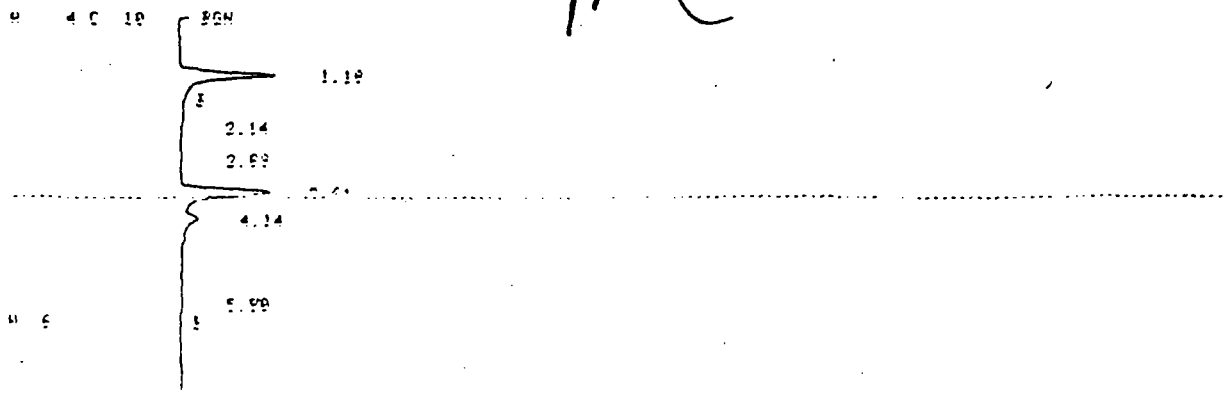
METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.19	12.3602	T	28.0370
2.21	4.3494	T	9.9622
3.62	15.6460	T	35.4775
4.20	8.2514		18.7101
8.66	0.1412	T	0.3203
9.03	0.0829	T	0.1879
9.80	0.1324		0.3002
11.39	0.0457	T	0.1036
11.99	0.3274	U	0.7425
13.32	0.4653		1.0551
15.39	2.1436		4.9607
17.46	0.1278	T	0.2898
18.36	0.0274		0.0622

13 PEAKS > AREA/HT REJECT

RUN 77 20:02 89/01/12

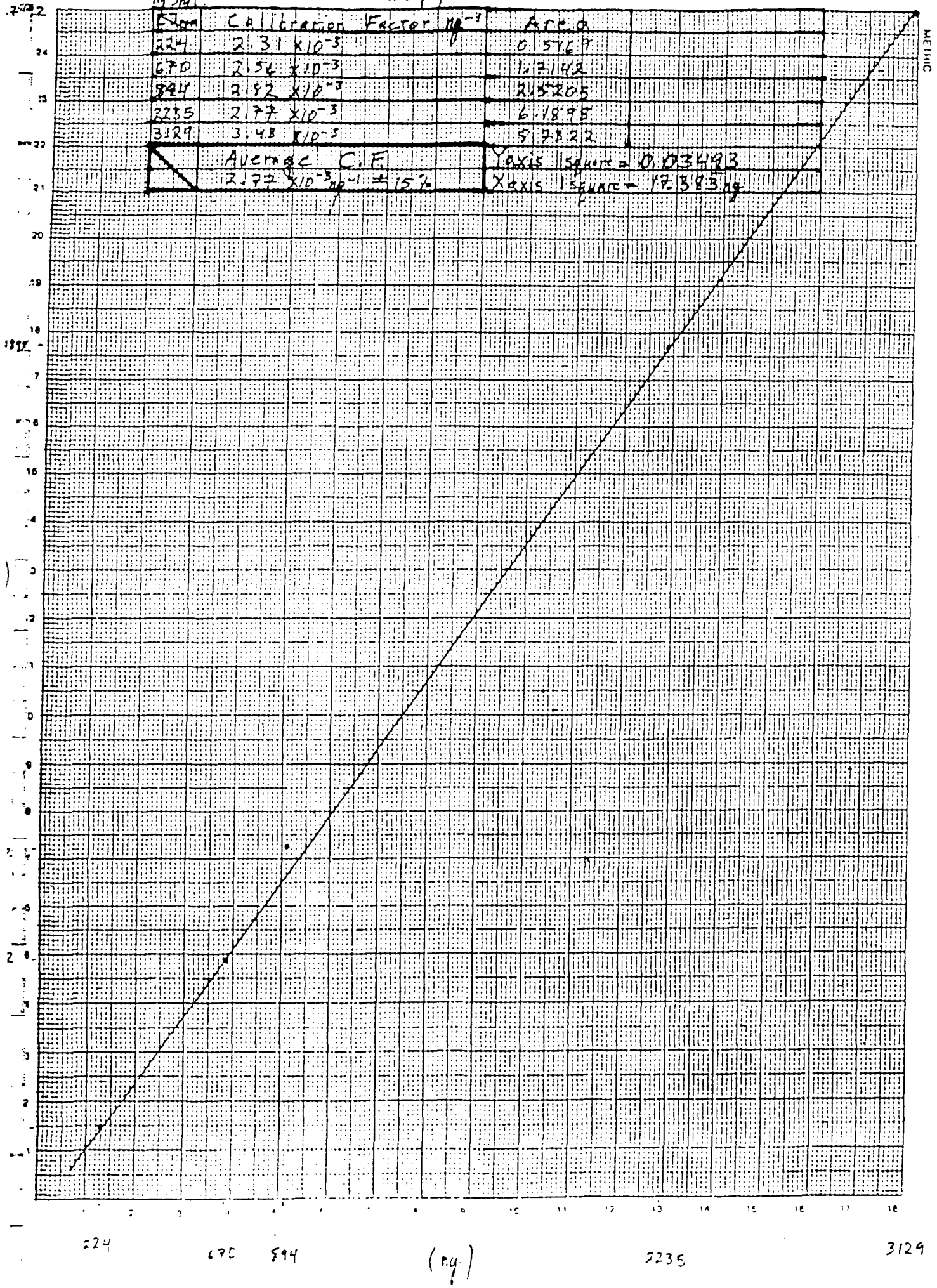
METHOD 9 MODIFIED



Isopropanol

ng shut

Ng	Calibration Factor ng^{-1}	Area
224	2.31×10^{-3}	0.5169
670	2.56×10^{-3}	1.7142
894	2.82×10^{-3}	2.5205
2235	2.77×10^{-3}	6.1898
3129	3.48×10^{-3}	5.7822
	Average C.F.	Y axis 1 square = 0.03493
	$2.77 \times 10^{-3}\ ng^{-1} \pm 15\%$	X axis 1 square = 17.383 ng

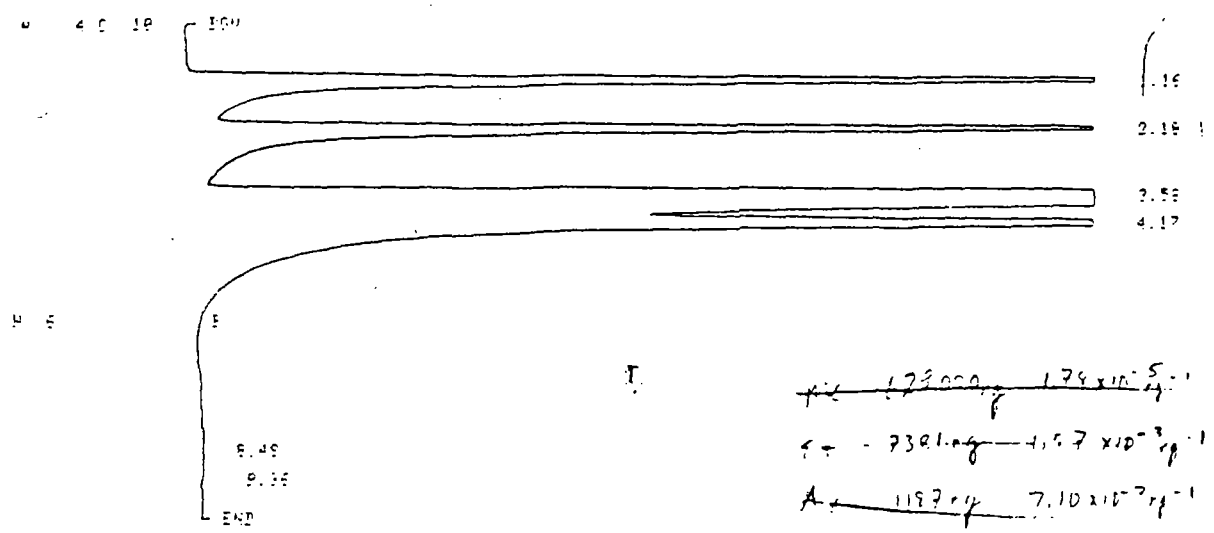


RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
4.60	ISO TIME 2	15.0 TO 50.0 MIN	KB
33.24	ISO TIME 2	50.0 TO 0.0 MIN	KB

RUN 61 10:19 89/01/12

METHOD 9 MODIFIED



~~MC 123000 ng 1.78 x10^-5 ng^-1~~

~~Et - 7381 ng 4.57 x10^-3 ng^-1~~

~~A 1187 ng 7.10 x10^-7 ng^-1~~

~~IMOH 2235 ng 8.98 x10^-3 ng^-1~~

RUN 61 10:19 89/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.16	11.1912	T	8.7966
2.18	11.6142	T	9.1187
3.58	84.3093	T	66.1941
4.17	20.0739		15.7607
8.49	0.0812	T	0.0637
9.36	0.0969	U	0.0760

6 PEAKS > AREA/HT REJECT

0.8 Moost 1 1T,17

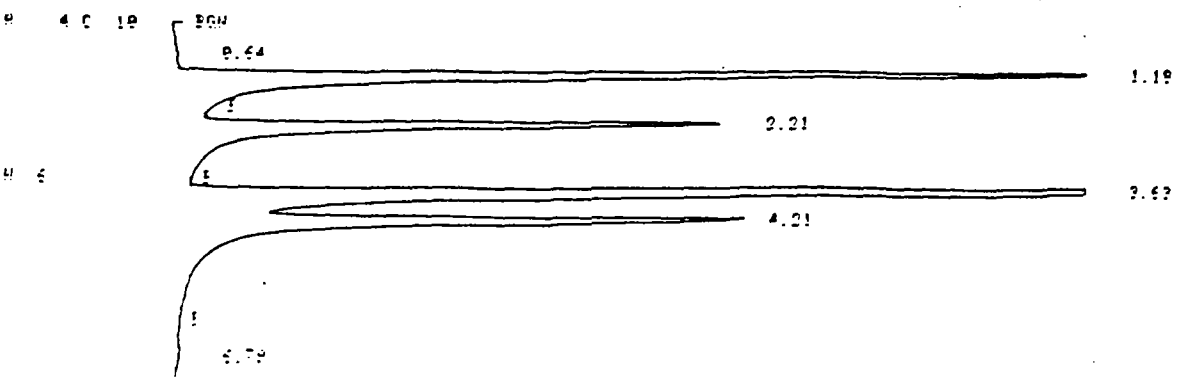
RUN DEVIATIONS

0.8λ MeOH 2λ 1T,13

TIME	ZONE	CHANGE	TYPE
5.62	ISO TIME 2	0.0 TO 10.0 MIN	KB
9.79	OVEN TEMP 2	150 TO 87 DEG C	KB
9.81	ISO TIME 2	10.0 TO 0.0 MIN	KB
8.86	RAMP RATE 2	0.0 TO 30.0 DEG C/MIN	KB
8.93	OVEN TEMP 3	87 TO 150 DEG C	KB
9.52	OVEN TEMP 3	150 TO 120 DEG C	KB

RUN 62 10:48 89/01/12

METHOD 9 MODIFIED



RUN 60 9:26 89/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.64	0.0100	U	0.0212
1.16	0.3031		0.6389
2.19	4.9739		10.4939
3.58	22.5396	T	47.5090
4.16	13.3929		29.2095
8.73	0.0704	T	0.1484
9.33	0.0935	T	0.1972
9.92	0.0573	T	0.1209
10.64	0.2340	U	0.4933
14.56	0.2651	U	0.5589
16.64	0.9651		2.0343
19.14	3.1459		6.6311
26.96	1.2354	U	2.7094
32.12	0.1159	U	0.2444

14 PEAKS > AREA/HT REJECT

$1T_1 13$ MeOH ~~786~~ 786 ug sol^{-1}
EtOH 7.381 ug sol^{-1}
Acetone 1.187 ug sol^{-1}
I-prOH 2.235 ug sol^{-1}

$1T_2 13 = 1/50\ 1T_1 13$
$1T_3 13 = 1/50$ of MeOH
Stands

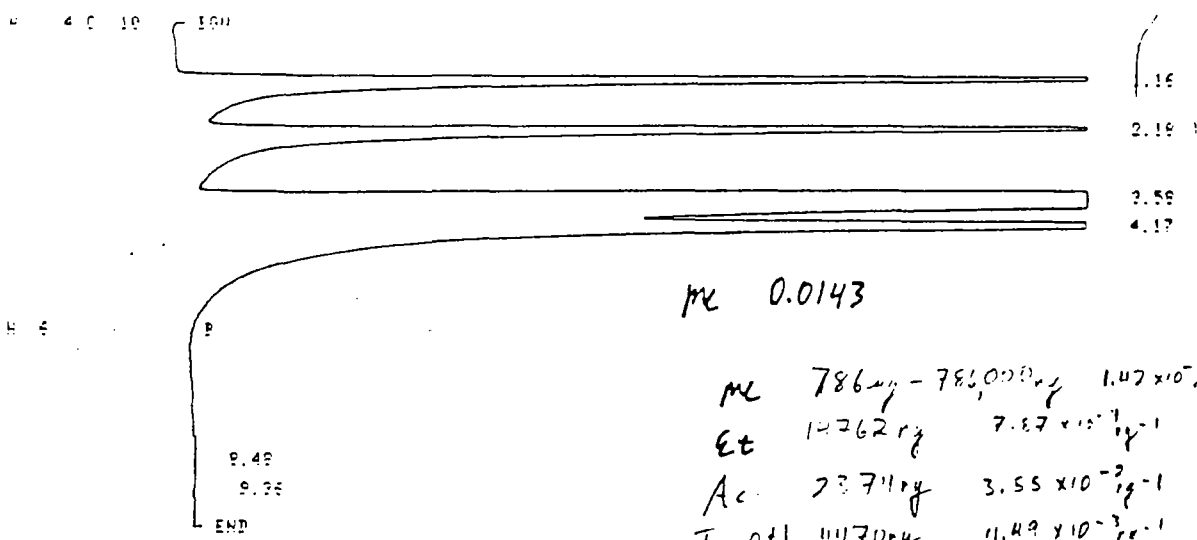
2d Off stnd $1T_1 13$ tld Mat MeOH

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
4.60	150 TIME 2	15.9 TO 50.0 MIN	KB
33.24	150 TIME 2	50.0 TO 0.0 MIN	KB

RUN 61 10:19 89/01/12

METHOD 9 MODIFIED



me 0.0143

me 786 ug - 786,000 ng 1.42 x10^{-5} ng^{-1}
Et 14762 ng 7.87 x10^{-4} ng^{-1}
Ac 2374 ng 3.55 x10^{-3} ng^{-1}
IprOH 4470 ng 4.49 x10^{-3} ng^{-1}

RUN 61 10:19 89/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.16	11.1912	T	8.7866
2.18	11.6142	T	9.1187
3.58	84.3033	T	66.1941
4.17	20.0739		15.7607
8.48	0.0912	T	0.0637
9.36	0.0969	U	0.0760

6 PEAKS > AREA/HT REJECT

0.8 meet 1 $1T_1 13$

0.8d MeOH 1d $1T_1 13$

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
5.62	150 TIME 2	0.0 TO 10.0 MIN	KB
6.78	OVEN TEMP 2	150 TO 87 DEG C	KB
6.81	150 TIME 2	10.0 TO 0.0 MIN	KB
6.86	RAMP RATE 2	0.0 TO 30.0 DEG C MIN	KB

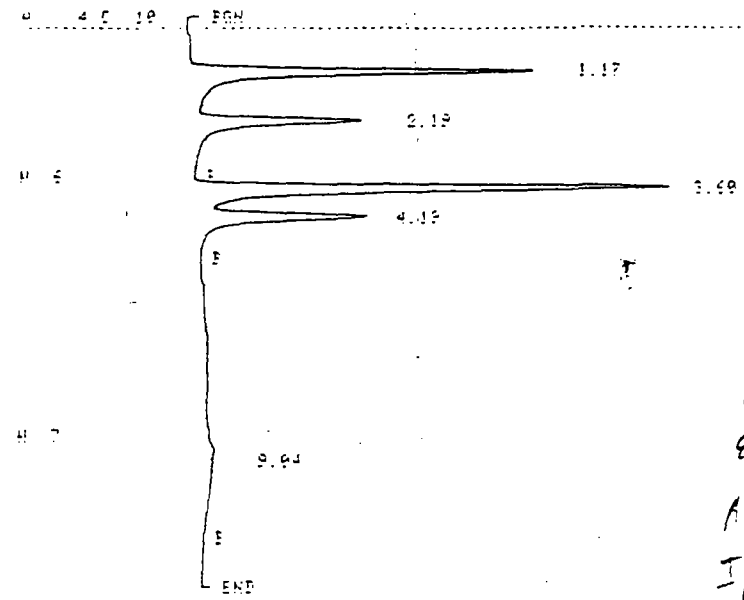
0.2λ MeOH 0.6λ $IT_1 13$

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
6.66	OVEN TEMP 2	87 TO 80 DEG C	NE
7.00	ISO TIME 2	0.0 TO 5.0 MIN	NE
7.09	ISO TIME 3	5.0 TO 3.0 MIN	NE

RUN 63 11:23 89/01/12

METHOD 9 MODIFIED



Air	157000 ng	2.00×10^{-5} ng^{-1}
EtOH	4429 ng	4.04×10^{-4} ng^{-1}
Ac	712 ng	5.80×10^{-3} ng^{-1}
IpOH	1341 ng	1.36×10^{-3} ng^{-1}

RUN 63 11:23 89/01/12

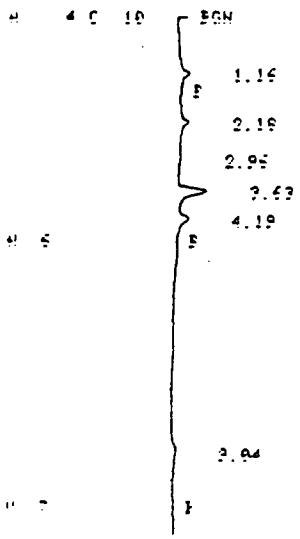
METHOD 9 MODIFIED CALCULATION: % 1λ $IT_2 13$

RT	AREA	BC	AREA %
1.17	3.1996	T	27.8781
2.19	1.7862		15.5600
3.69 -	4.1278	T	35.9119
4.19	1.9236		16.2464
9.04	0.3348		2.9033

5 PEAKS > AREA/HT REJECT

RUN 64 11:57 89/01/12

METHOD 9 MODIFIED



5λ $IT_3 13$ + 5λ $T_2 13$

0.8 MeOH 1 IT,13

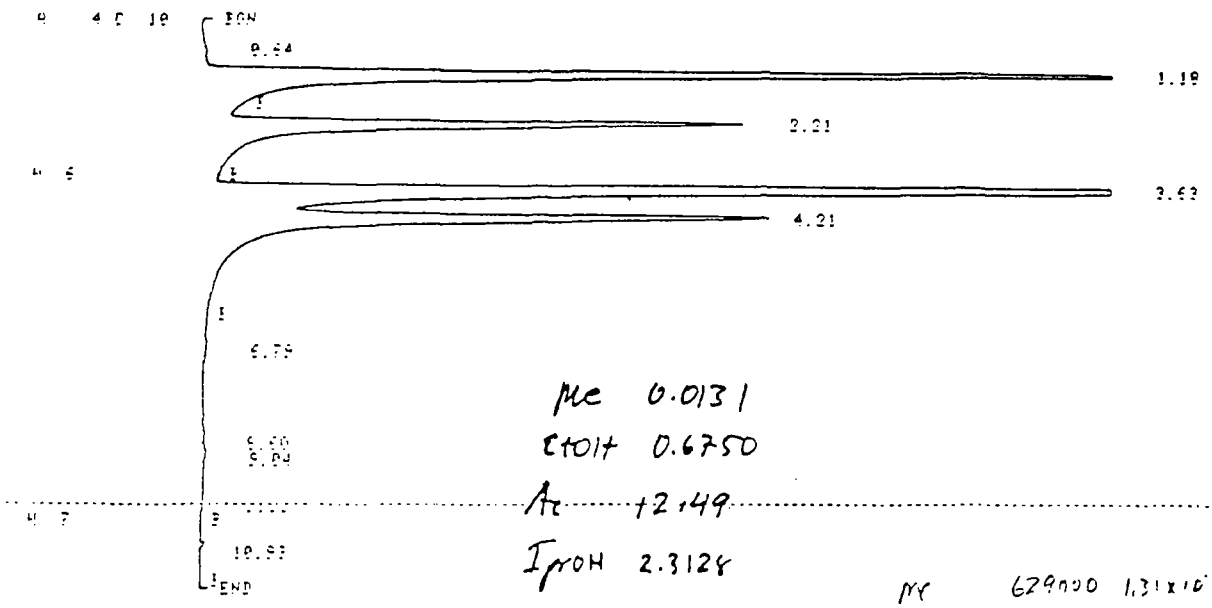
0.8λ MeOH 2λ IT,13

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
5.62	ISO TIME 2	0.0 TO 10.0 MIN	KB
5.79	OVEN TEMP 2	150 TO 87 DEG C	KB
5.81	ISO TIME 2	10.0 TO 0.0 MIN	KB
8.66	RAMP RATE 2	0.0 TO 20.0 DEG C/MIN	KB
8.93	OVEN TEMP 3	87 TO 150 DEG C	KB
9.52	OVEN TEMP 3	150 TO 120 DEG C	KB

RUN 62 10:48 99/01/12

METHOD 9 MODIFIED



Me 0.0131

EtOH 0.6750

Ac +2.49

IpOH 2.3128

Me	629000	1.31×10^{-5} g^{-1}
EtOH	7361	6.7×10^{-4}
Ac	1187	1.18×10^{-2}
IpOH	2235	3.21×10^{-3}

RUN 62 10:48 99/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.64	0.0312	U	0.0901
1.19	5.2142		23.7149
2.21	4.9520		14.3934
3.63	13.9699	T	40.3320
4.21	7.1667		20.6906
6.79	0.0503	U	0.1452
8.60	0.0680	T	0.1994
9.04	0.0336	T	0.2414
9.81	0.0426		0.1403
10.93	0.0216		0.0625

10 PEAKS > AREA/HT REJECT

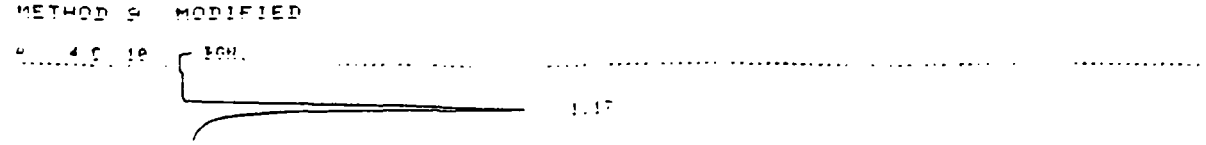
0.2λ MeOH 0.6λ IT,13

RUN DEVIATIONS

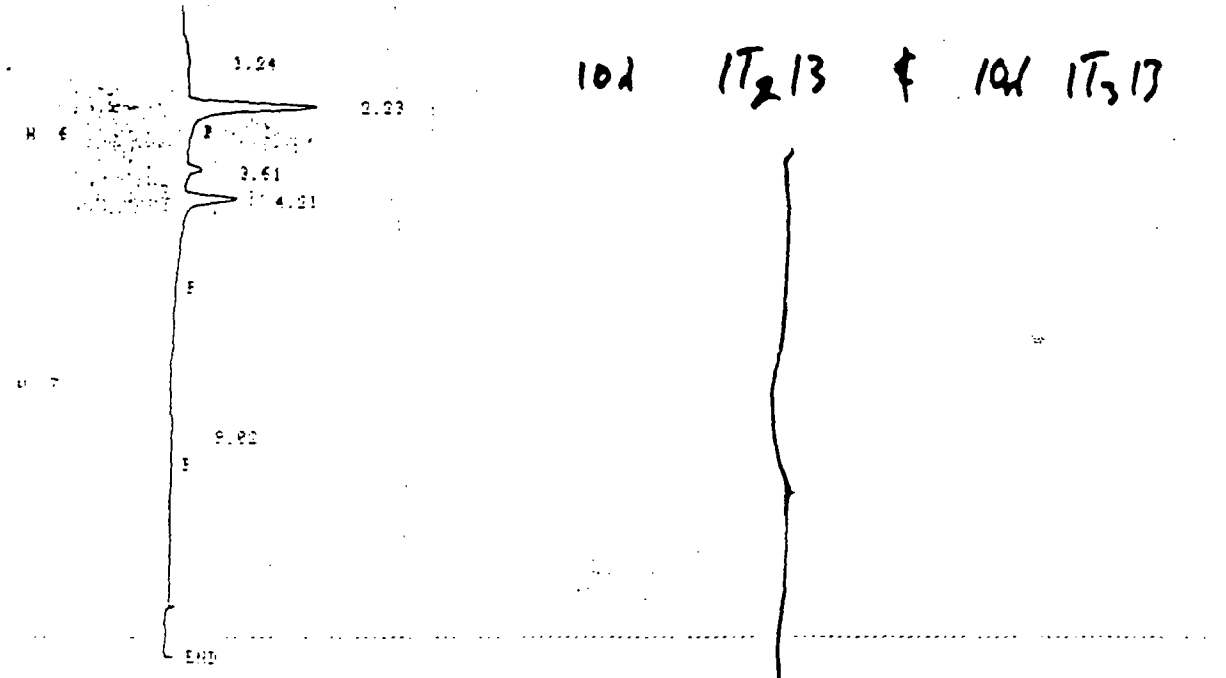
TIME	ZONE	CHANGE	TYPE
6.86	OVEN TEMP 2	87 TO 80 DEG C	KB
7.00	ISO TIME 2	0.0 TO 5.0 MIN	KB
7.09	ISO TIME 2	5.0 TO 3.0 MIN	KB

RUN 63 11:23 99/01/12

METHOD 9 MODIFIED



10d $1T_2 13$ & 10d $1T_3 13$



RUN 69 13:50 89/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.24	0.0470	U	2.1217
2.23	1.3379		60.2947
3.61	0.1690	T	7.6187
4.21	0.6202		27.9491
9.02	0.0449		2.0256

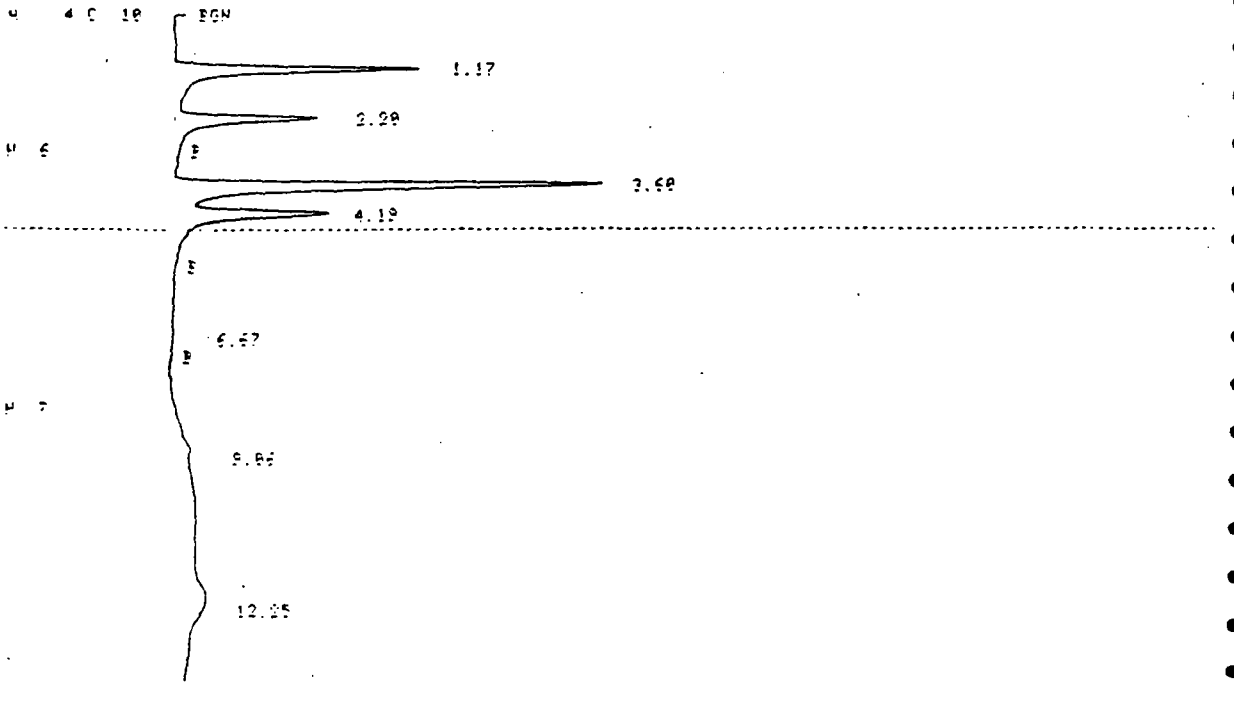
5 PEAKS > AREA/HT REJECT

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
12.87	ISO TIME 3	10.0 TO 5.0 MIN	KB

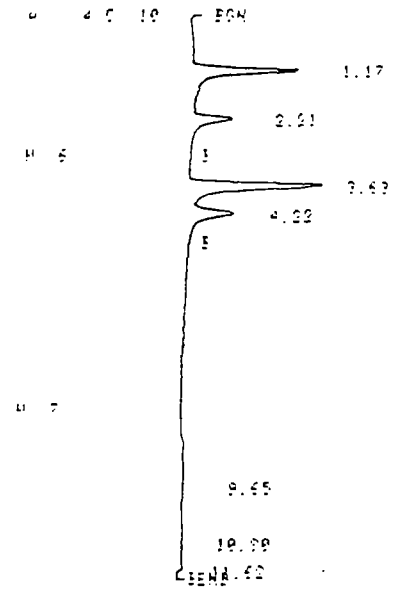
RUN 69 14:18 89/01/12

METHOD 9 MODIFIED



RUN 65 12:26 89/01/12

METHOD 9 MODIFIED



12560 ppb

MeOH ~~148 12560 ppb 5000 ppb~~ ~~137,000 ppb. 31,100 ppb~~

EtOH 148 ppb

Ac 24 ppb

IprOH 45 ppb

me	78600 ng	1.51×10^{-5} ng^{-1}
EtOH	738 ng	6.42×10^{-4} ng^{-1}
Ac	118.7 ng	1.04×10^{-2} ng^{-1}
IprOH	223.5 ng	2.31×10^{-3} ng^{-1}

RUN 65 12:26 89/01/12

METHOD 9 MODIFIED CALCULATION: %

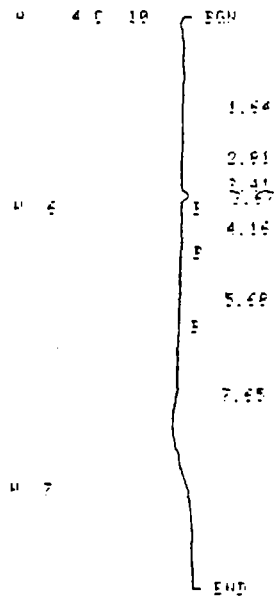
5 ml DI Blank

RT	AREA	BC	AREA %
1.17	1.1901	T	29.9579
2.21	0.4737		11.9548
3.63	1.2305	T	30.9714
4.22	0.5163		12.9896
9.65	0.3027	T	7.5941
10.90	0.1607	T	4.0339
11.62	0.1111		2.7990

7 PEAKS > AREA/HT REJECT

RUN 66 12:52 89/01/12

METHOD 9 MODIFIED



RUN 66 12:52 89/01/12

METHOD 9 MODIFIED CALCULATION: %

~~LT 12~~ ~~T. 13~~

9 PEAKS > AREA/HT REJECT

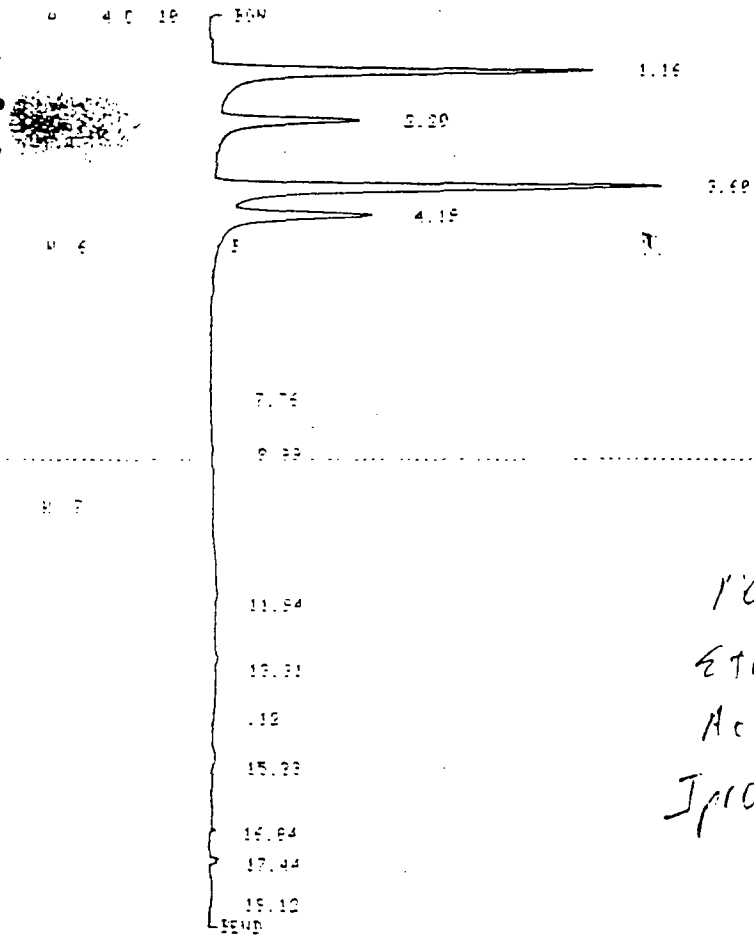
15λ $1T_2 13$ & 15λ $1T_3 13$

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
[illegible]	ISO TIME 3	5.0 TO 10.0 MIN	KB

RUN 70 14:58 99/01/12

METHOD 9 MODIFIED



PC 235800 mg 1.53×10^{-3} mg^{-1}

EtOH 2211 mg 2.40×10^{-4} mg^{-1}

Ac 356 mg 1.10×10^{-2} mg^{-1}

IprOH 670.5 mg 2.56×10^{-3} mg^{-1}

RUN 70 14:58 99/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.16	3.6161	T	29.7807
2.20	1.6405	V	13.5104
3.60	3.9093	T	32.1954
4.19	1.7142		14.1179
7.76	0.0337	V	0.2782
9.99	0.0417	V	0.3439
11.94	0.3552	T	2.9254
13.31	0.1347	T	1.1099
14.12	0.2500	T	2.0593
15.33	0.1910	T	1.5734
16.84	0.1049	V	0.8646
17.44	0.0614	T	0.5056
19.12	0.0892		0.7349

20λ $1T_2 13$ & 20λ $1T_3 13$

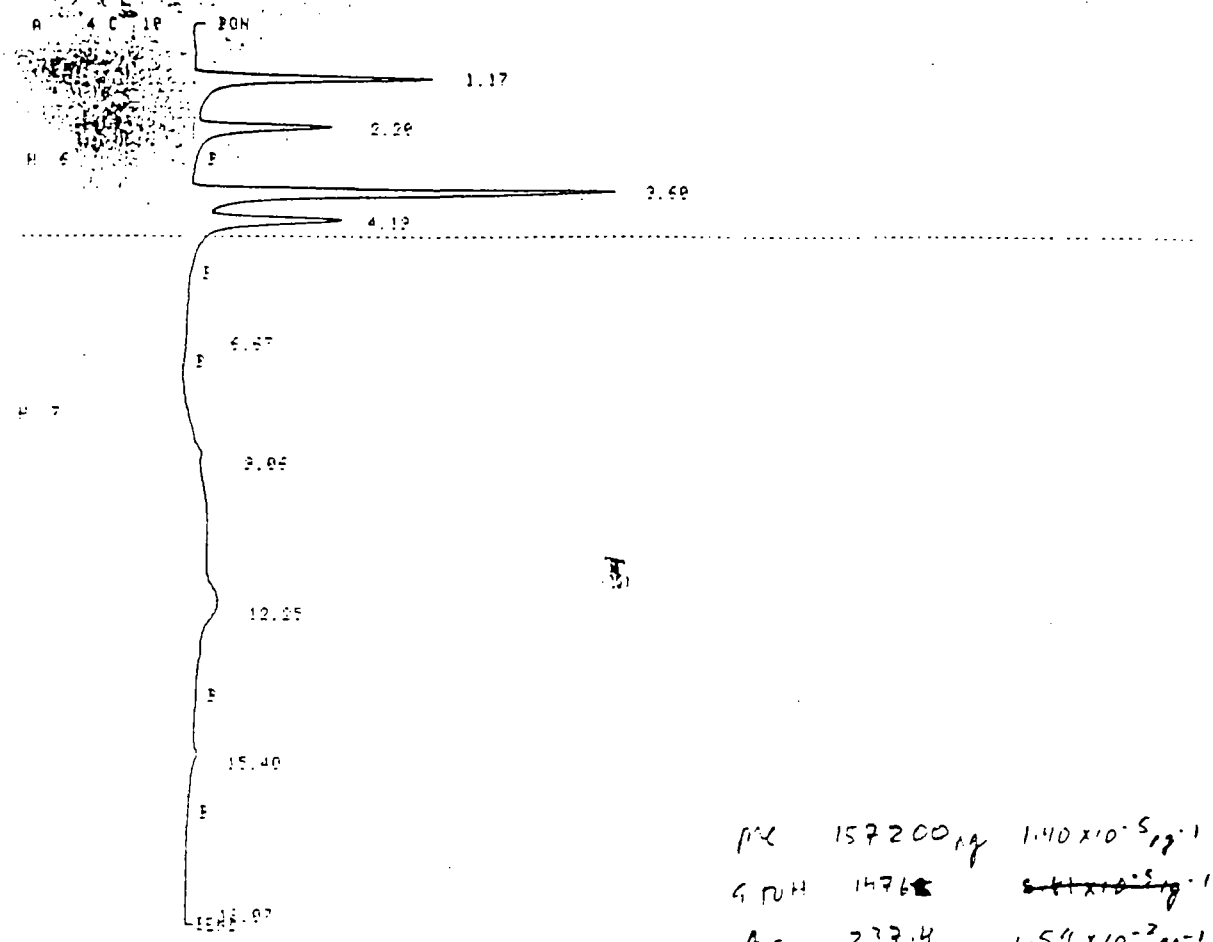
13 PEAKS > AREA/HT REJECT

RUN 71 15:30 99/01/12

METHOD 9 MODIFIED

RUN 69 14:18 99/01/12

METHOD 9 MODIFIED



PC	157200 ng	1.40×10^{-5} ng^{-1}
6 TOH	1476	~~5.41×10^{-5} ng^{-1}~~
AC	237.4	1.54×10^{-2} ng^{-1}
IprOH	447 ng	4.15×10^{-3} ng^{-1}

RUN 69 14:18 99/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.17	2.1931	T	21.6037
2.20	1.3010		12.8166
3.60	3.7765	T	37.2014
4.19	1.8512		19.2557
6.67	0.0163		0.1609
9.06	0.1739	T	1.7137
12.25	0.7012		6.9079
15.40	0.1055		1.0401
16.07	0.0304		0.2997

9 PEAKS > AREA/HT REJECT

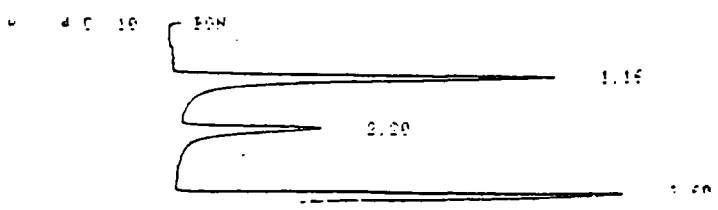
15λ |T₂|3 & 15λ |T₃|3

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
5.15	ISO TIME 3	5.0 TO 10.0 MIN	KB

RUN 70 14:59 99/01/12

METHOD 9 MODIFIED



METHOD 9 MODIFIED CALCULATION: %

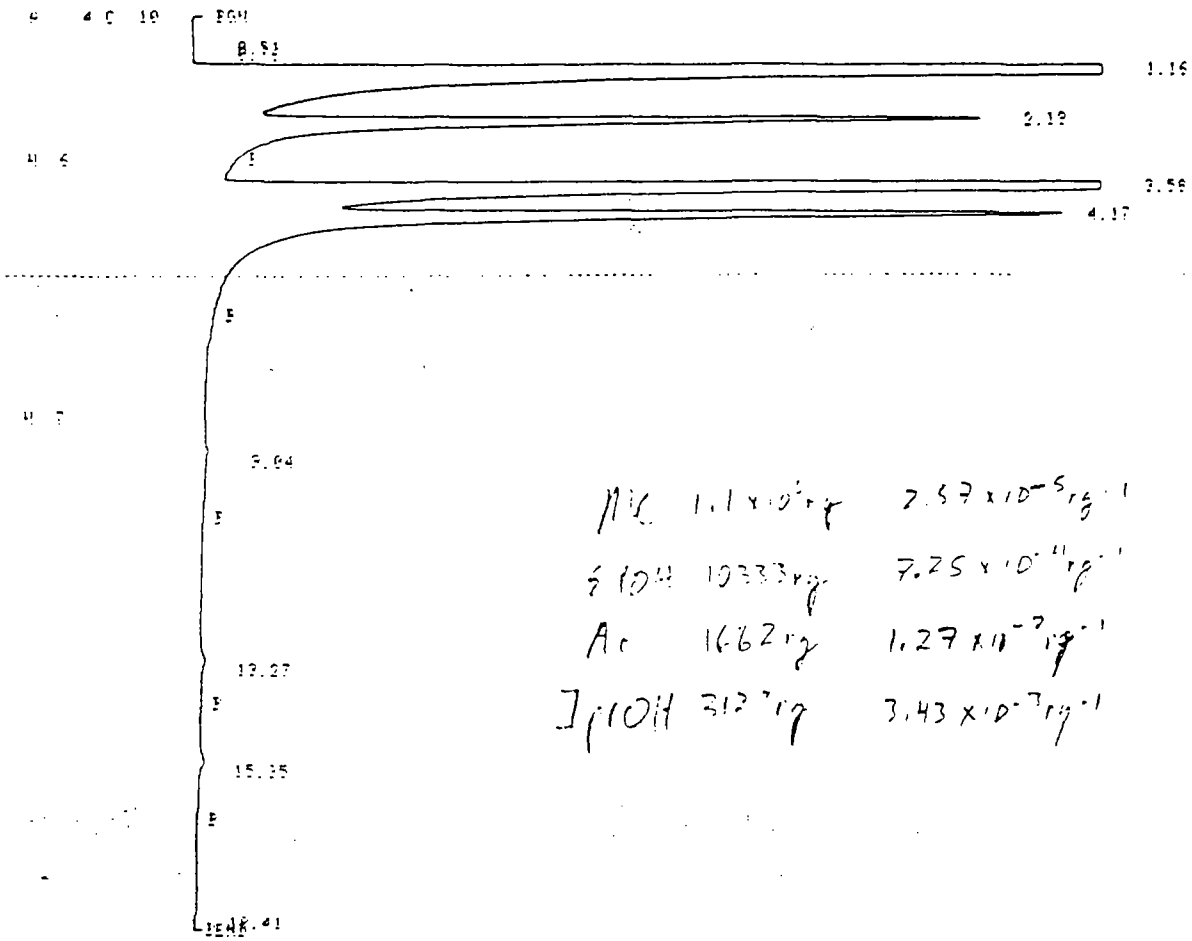
RT	AREA	BC	AREA %
1.16	3.8280		26.5111
2.19	1.6123		11.1666
3.59	5.1791	T	35.8684
4.17	2.5205		17.4564
8.98	0.1190	T	0.8173
10.06	0.1099	T	0.7539
10.42	0.0719		0.4991
13.16	0.6507	T	4.5067
15.34	0.3022	T	2.0930
16.19	0.0473	U	0.3281

10 PEAKS > AREA/HT REJECT

1.4d IT,73 1.4d AmOH acet.

RUN 72 16:06 89/01/12

METHOD 9 MODIFIED



MC 1.1 x 10^6 rg 2.57 x 10^-5 rg^-1

EtOH 10333 rg 7.25 x 10^-4 rg^-1

Ac 1662 rg 1.27 x 10^-2 rg^-1

IpOH 312 rg 3.43 x 10^-3 rg^-1

RUN 72 16:06 89/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.51	0.0131	U	0.0194
0.76	0.0094	U	0.0138
1.16	29.2362	T	41.5750
2.19	7.4946		11.0350
3.59	21.0911	T	31.0398
4.17	10.7269		15.7943
9.04	0.1301		0.1915
13.27	0.0783		0.1152
15.35	0.1061		0.1562
18.41	0.0402		0.0591

10 PEAKS > AREA/HT REJECT

RUN 73 16:33 89/01/12

METHOD 9 MODIFIED

A 4 C 10 BGN

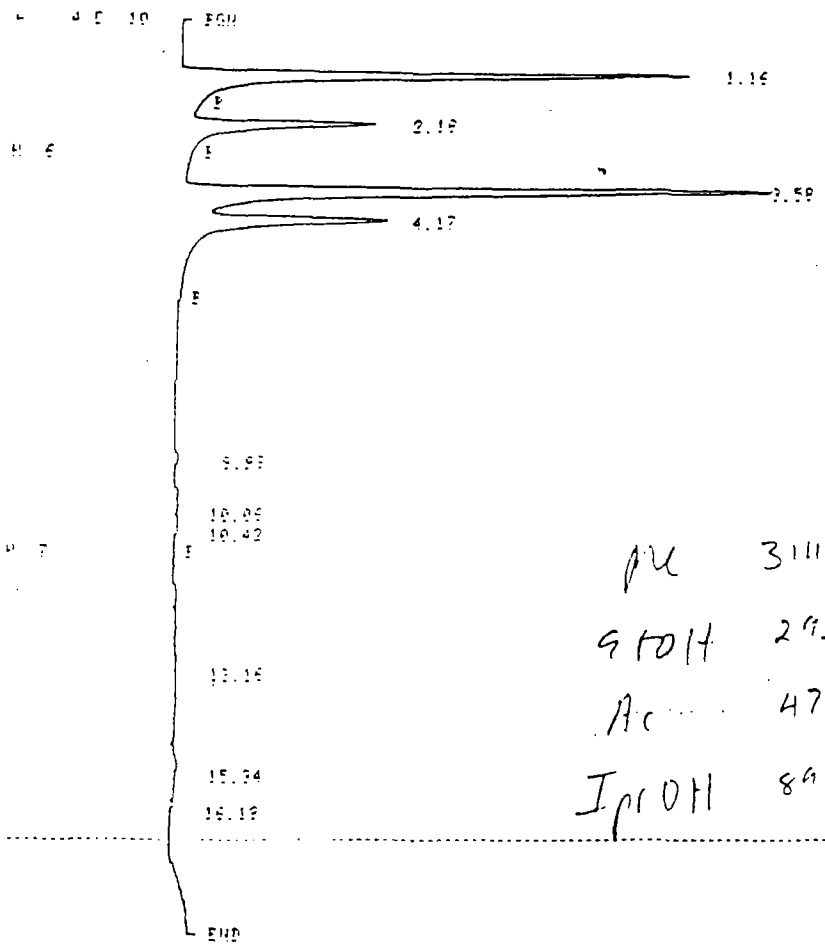
RT	AREA	BC	AREA %
1.16	3.6161	T	29.7807
2.20	1.6405	U	13.5104
3.60	3.9093	T	32.1954
4.19	1.7142		14.1179
7.76	0.0337	U	0.2782
8.99	0.0417	U	0.3438
11.94	0.3552	T	2.9254
13.31	0.1347	T	1.1099
14.12	0.2500	T	2.0593
15.33	0.1910	T	1.5734
16.94	0.1043	U	0.8646
17.44	0.0614	T	0.5056
18.12	0.0892		0.7348

13 PEAKS > AREA/HT REJECT

20λ $1T_2B$ & 20λ $1T_3B$

RUN 71 15:30 89/01/12

METHOD 9 MODIFIED



pu 311,400 ng 1.22×10^{-5} ng^{-1}

9 tOH 2952 ng 5.46×10^{-4} ng^{-1}

Ac 475 ng 1.09×10^{-2} ng^{-1}

IprOH 894 ng 2.82×10^{-3} ng^{-1}

RUN 71 15:30 89/01/12

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.16	3.8280		26.5111
2.18	1.6123		11.1666
3.58	5.1791	T	35.8684
4.17	2.5205		17.4564
8.99	0.1130	T	0.9173
10.06	0.1099	T	0.7539
10.42	0.0719		0.4981
13.16	0.6507	T	4.5067
15.34	0.3022	T	2.0930
16.19	0.0473	U	0.3281

10 PEAKS > AREA/HT REJECT

1.4λ $1T_1B$ 1.4λ AmOH neat.

RUN 72 16:06 89/01/12

METHOD 9 MODIFIED

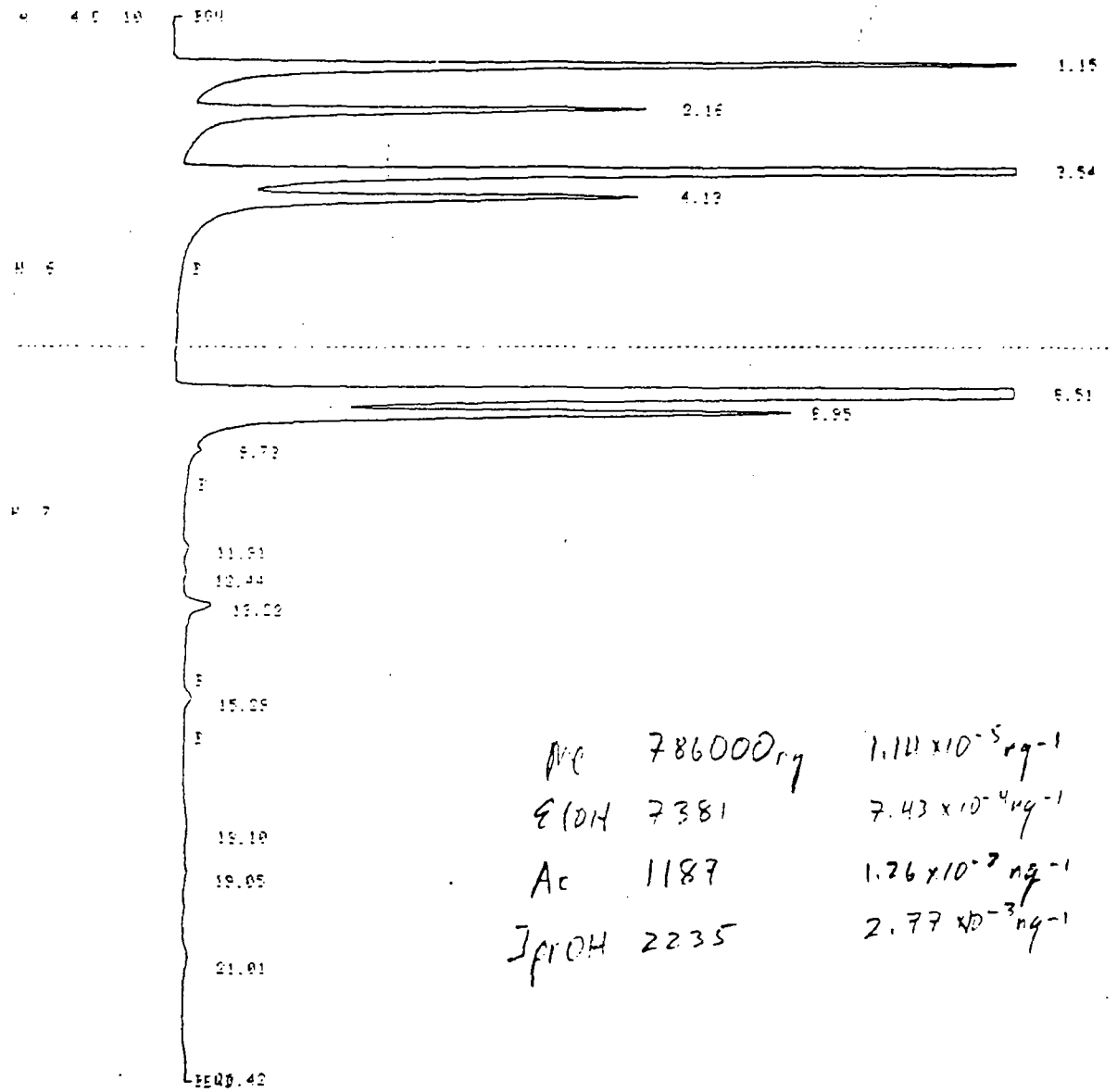
3.59	1.2057	T	3.4667
4.11	0.1794		0.4914
5.72	0.0529		0.1448
7.61	1.0154	U	2.7813
8.53	24.1057	T	66.0246
8.96	7.6022		20.8223
11.33	1.3770	T	3.7717
12.43	0.0373	T	0.2393
13.26	0.2973	U	0.8142
17.91	0.4088		1.1197

13 PEAKS > AREA/HT REJECT

1λ 1T,3 1λ MeOH

RUN 98 12:21 89/01/16

METHOD 9 MODIFIED



Me	786000 ng	1.14×10^{-5} ng^{-1}
EtOH	7381	7.43×10^{-4} ng^{-1}
Ac	1187	1.26×10^{-2} ng^{-1}
IprOH	2235	2.77×10^{-3} ng^{-1}

RUN 98 12:21 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.15	8.9761	T	13.1927
2.16	5.4547	T	8.0612
3.54	14.9509	T	21.9741
4.13	6.1399		9.0974
8.51	23.6922	T	34.8216
8.95	7.3191	T	10.7574
9.73	0.3141		0.4616
11.91	0.0736	T	0.1081
12.44	0.0301	U	0.0443
13.22	0.4981		0.7321
15.29	0.1232		0.1811
19.10	0.1283	T	0.1900
19.05	0.1265	U	0.1859
[illegible]	[illegible]	U	[illegible]

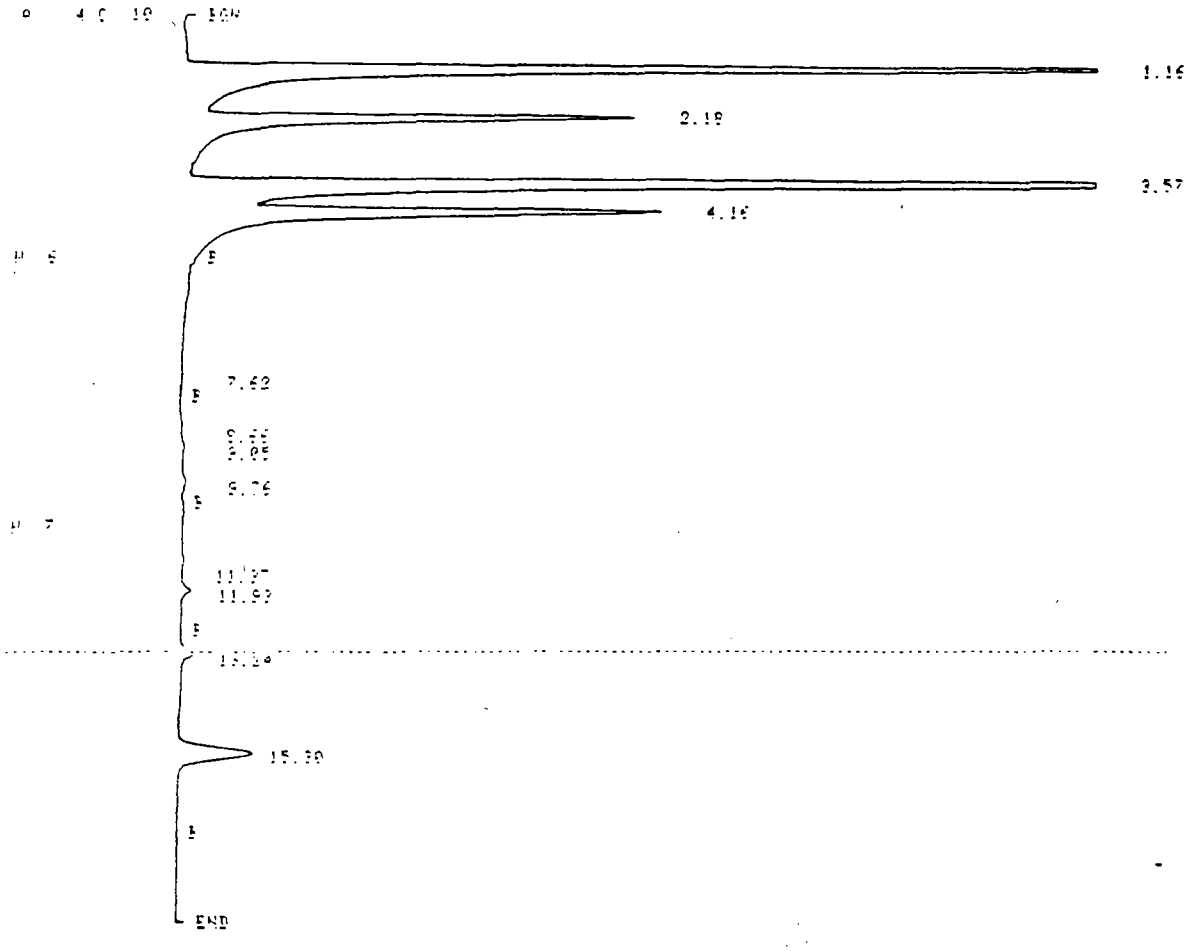
1λ 1T,13 1λ MeOH.

9.75	0.4[illegible]	T	6.[illegible]
10.42	0.4379	T	9.6432
11.34	0.3906	T	7.7261
[illegible]	[illegible]	T	[illegible]
12.35	0.4537	T	8.9699
13.24	0.4067	T	8.0401
14.06	0.5684	T	11.2[illegible]
15.22	0.9141	T	19.0706
16.10	0.0754		1.4916

16 PEAKS > AREA/HT REJECT

RUN 84 14:46 89/01/13

METHOD 9 MODIFIED



RUN 84 14:46 89/01/13

METHOD 9 MODIFIED CALCULATION: %

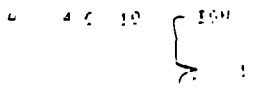
RT	AREA	BC	AREA %
1.16	9.6120	T	29.5943
2.18	4.6621	M	13.8693
3.57	12.1901	T	36.2643
4.16	5.4243		16.1370
7.62	0.0167		0.0499
8.66	0.0186	T	0.0554
9.05	0.0597	T	0.1773
9.76	0.0829		0.2467
11.37	0.0283	T	0.0843
11.93	0.0936		0.2786
13.24	0.2575	T	0.7662
15.30	1.1651		3.4751

12 PEAKS > AREA/HT REJECT

250 ml 9010483

RUN 85 15:43 89/01/13

METHOD 9 MODIFIED

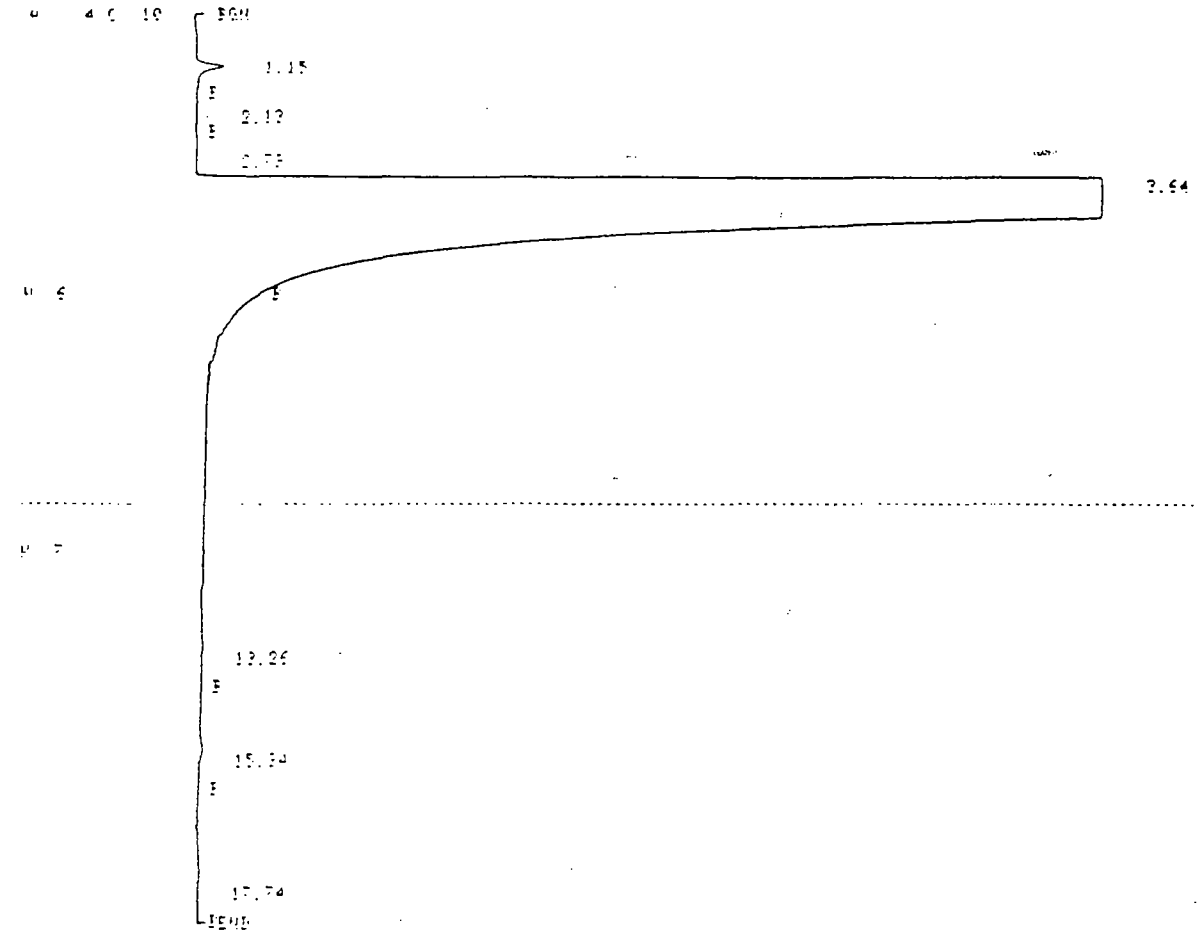


9 PEAKS > AREA/HT REJECT

250 ml 9010419

RUN 86 16:28 89/01/13

METHOD 9 MODIFIED



RUN 86 16:28 89/01/13

METHOD 9 MODIFIED CALCULATION: %

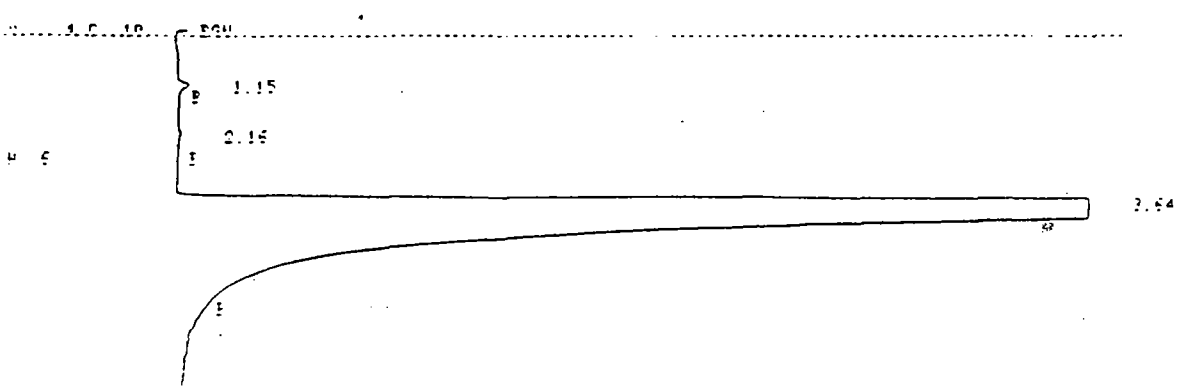
RT	AREA	BC	AREA %
1.15	0.2397		0.0690
2.13	0.0116		0.0033
2.79	0.0319	H	0.0091
3.64	346.6504		99.8779
13.26	0.0290		0.0090
15.34	0.0549		0.0157
17.74	0.0574		0.0165

7 PEAKS > AREA/HT REJECT

100 ml 9010419

RUN 87 17:11 89/01/13

METHOD 9 MODIFIED

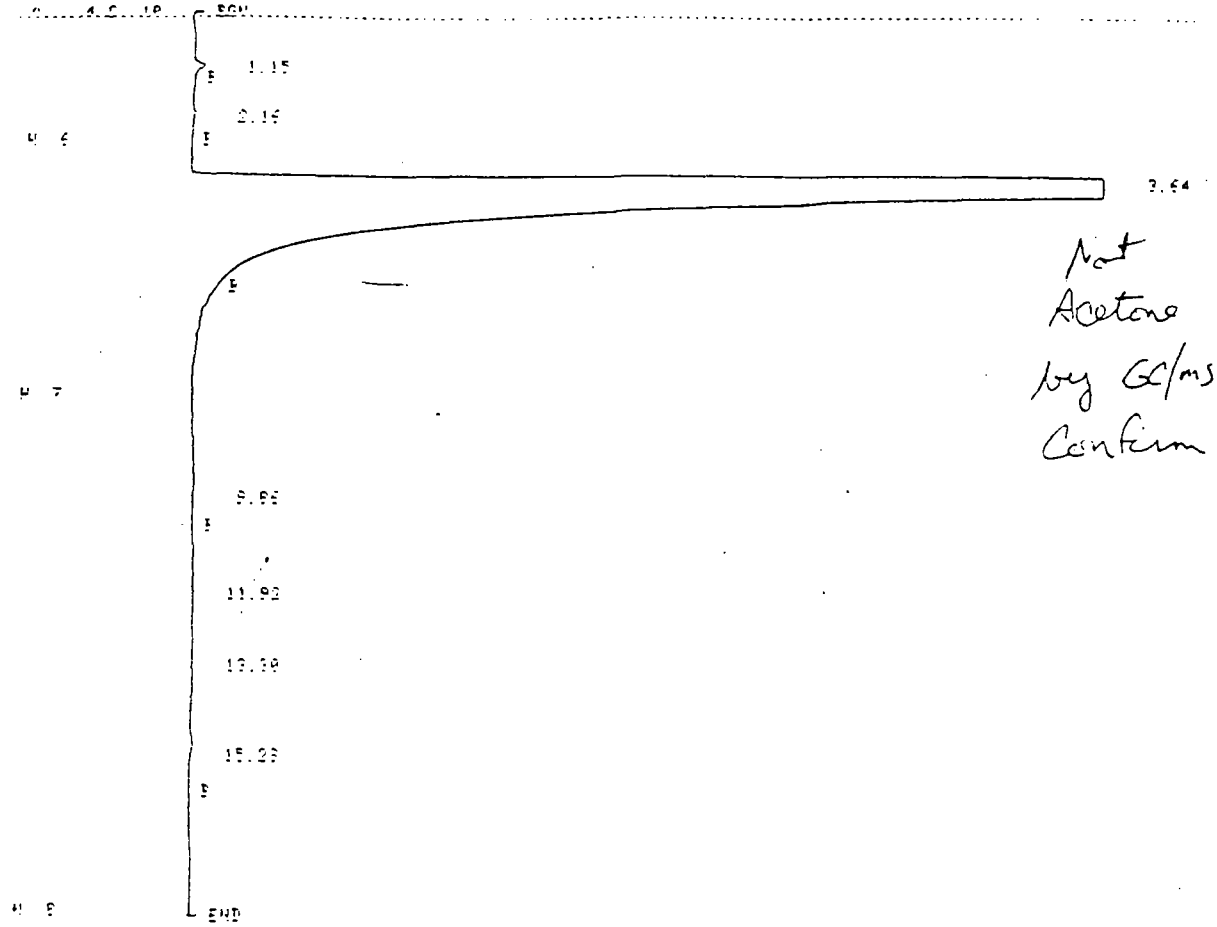


7 PEAKS > AREA/HT REJECT

100 ml 9010419

RUN 87 17:11 89/01/13

METHOD 9 MODIFIED



Not Acetone by GC/ms Confirm

RUN 87 17:11 89/01/13

METHOD 9 MODIFIED CALCULATION: %

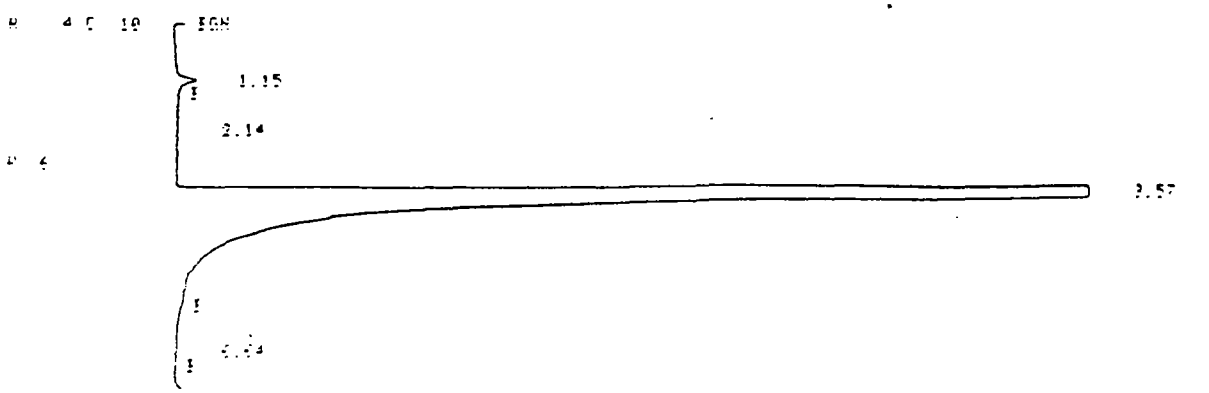
RT	AREA	PC	AREA %
1.15	0.0966		0.0738
2.14	0.0407		0.0307
3.64	131.6429		99.6654
9.86	0.0305		0.0230
11.92	0.1120	T	0.0847
13.39	0.1164	T	0.0934
15.29	0.0521		0.0394

7 PEAKS > AREA/HT REJECT

250 ml 9010420

RUN 88 17:54 89/01/13

METHOD 9 MODIFIED

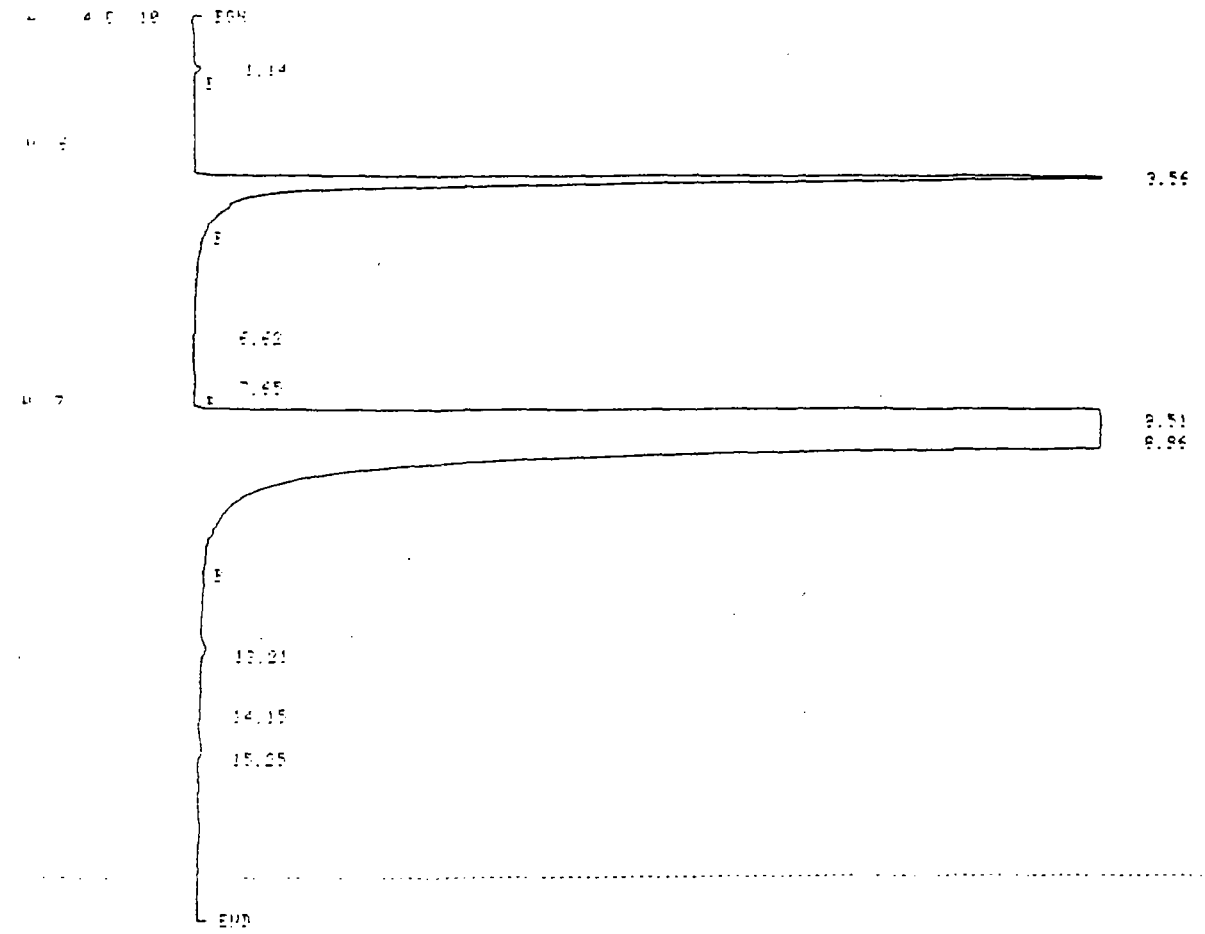


9 PEAKS > AREA/HT REJECT

50 ml 900420

RUN 91 20:46 89/01/13

METHOD 9 MODIFIED



RUN 91 20:46 89/01/13

METHOD 9 MODIFIED CALCULATION: %

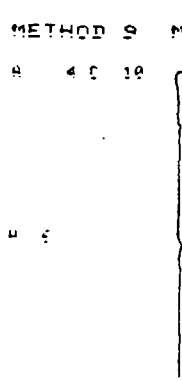
RT	AREA	BC	AREA %
1.14	0.0767		0.0261
3.56	8.6000		2.9545
6.62	0.0211	U	0.0072
7.65	0.0191		0.0065
9.51	225.2100	T	77.2977
9.96	57.2100		19.6359
13.21	0.1071	T	0.0367
14.15	0.0446	T	0.0153
15.25	0.0569	U	0.0195

9 PEAKS > AREA/HT REJECT

RUN 92 21:42 89/01/13

METHOD 9 MODIFIED

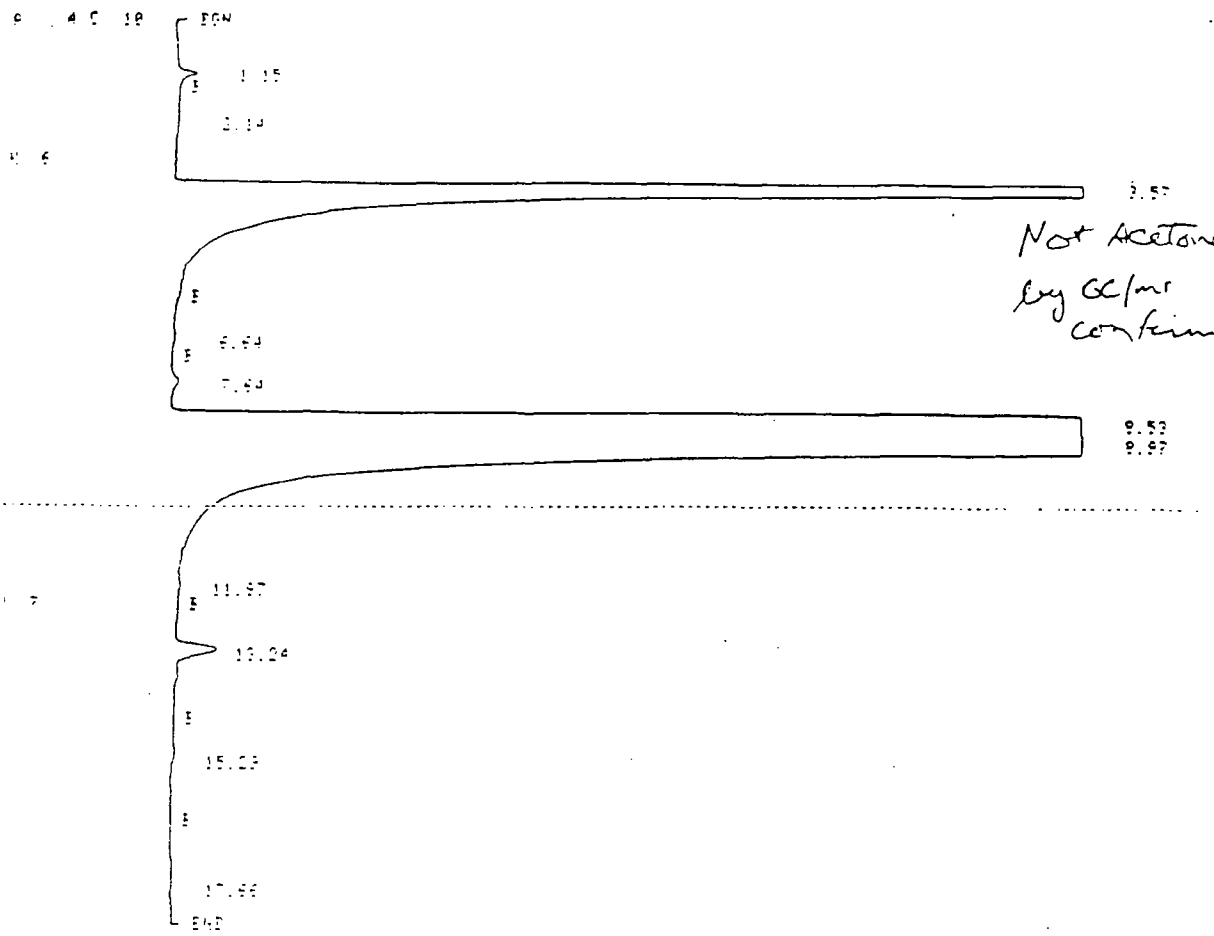
Blank.



250 ml 9010400

RUN 89 17:54 89/01/13

METHOD 9 MODIFIED



Not Acetone by GC/ms confirm

RUN 89 17:54 89/01/13

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.15	0.1461		0.0410
2.14	0.0434	U	0.0122
3.57	36.9032		10.3483
6.64	0.0239		0.0067
7.64	0.0960	U	0.0269
8.53	251.2145	T	70.5579
8.97	66.8923	T	18.7959
11.87	0.0531		0.0149
13.24	0.5289		0.1486
15.29	0.0238		0.0066
17.66	0.0642	U	0.0180

11 PEAKS > AREA/HT REJECT

89/01/13

MODIFIED

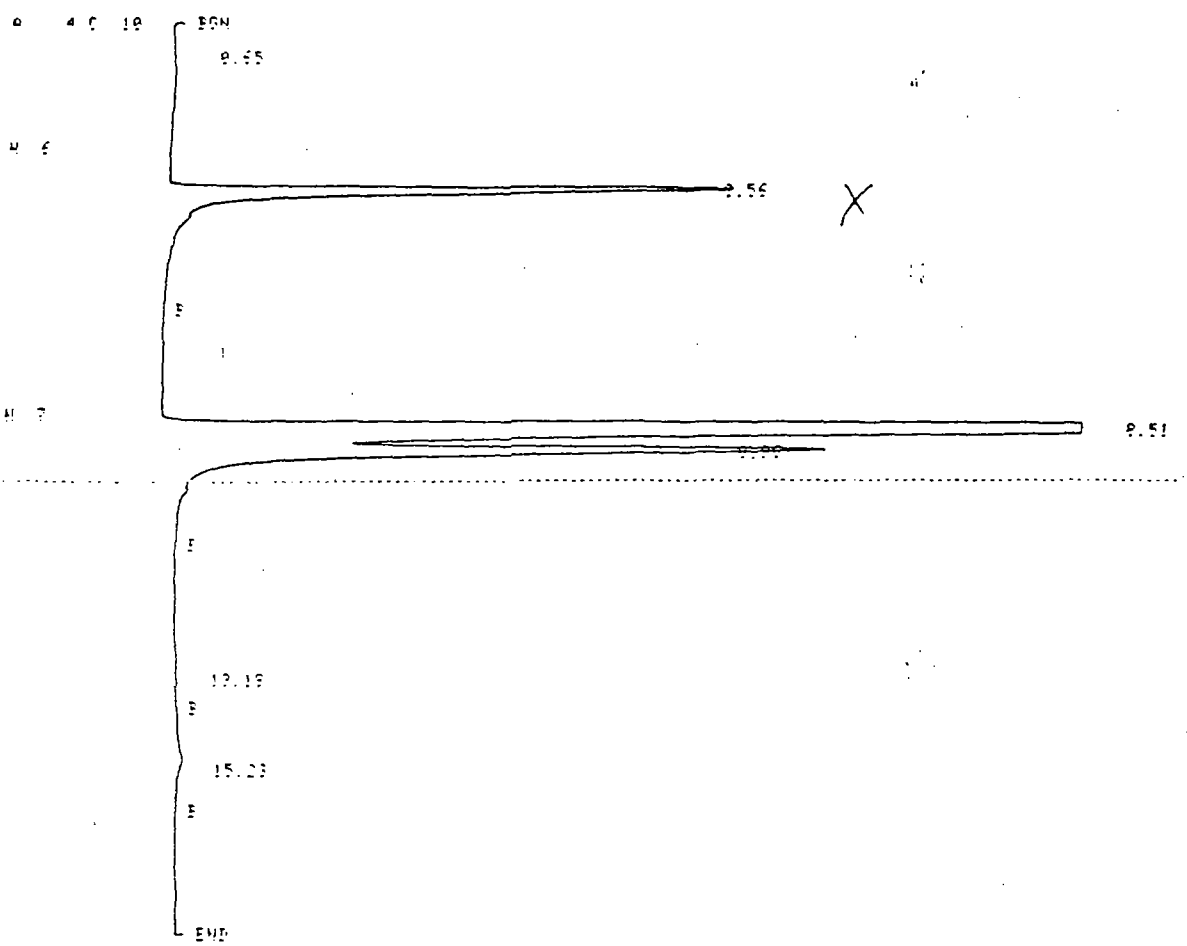
25λ 9010422

0.93	0.0160	T	0.0[illegible]
2.91	0.0210	U	0.0309
3.54	35.6831		52.4637
7.56	0.0256	U	0.0377
8.50	24.5030	T	36.0260
8.95	7.3976	T	10.8764
9.74	0.2097	T	0.3069
11.91	0.1036	U	0.1523
15.32	0.0558		0.0821

9 PEAKS > AREA/HT REJECT

RUN 96 11:04 89/01/16

METHOD 9 MODIFIED



RUN 96 11:04 89/01/16

METHOD 9 MODIFIED CALCULATION: %

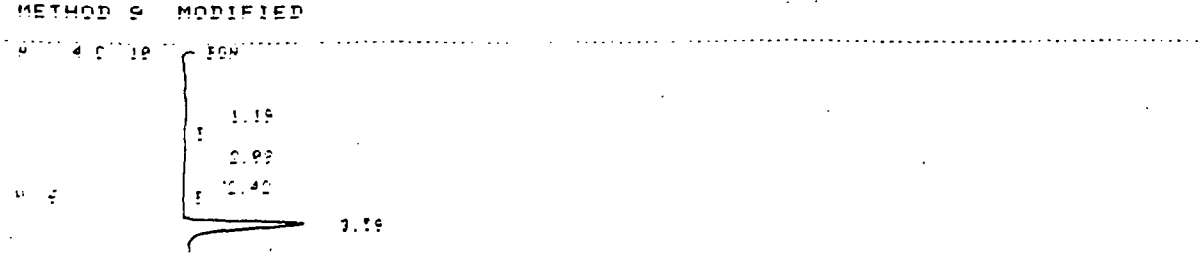
25λ 9010425

RT.	AREA	BC	AREA %
0.65	0.0391	U	0.1043
3.56	5.5427		14.7757
8.51	23.9203	T	63.7667
8.96	7.7872		20.7591
13.19	0.0349		0.0932
15.23	0.1878		0.5006

6 PEAKS > AREA/HT REJECT

RUN 97 11:42 89/01/16

METHOD 9 MODIFIED



9.49 0.0392 14.1349

6 PEAKS > AREA/HT REJECT

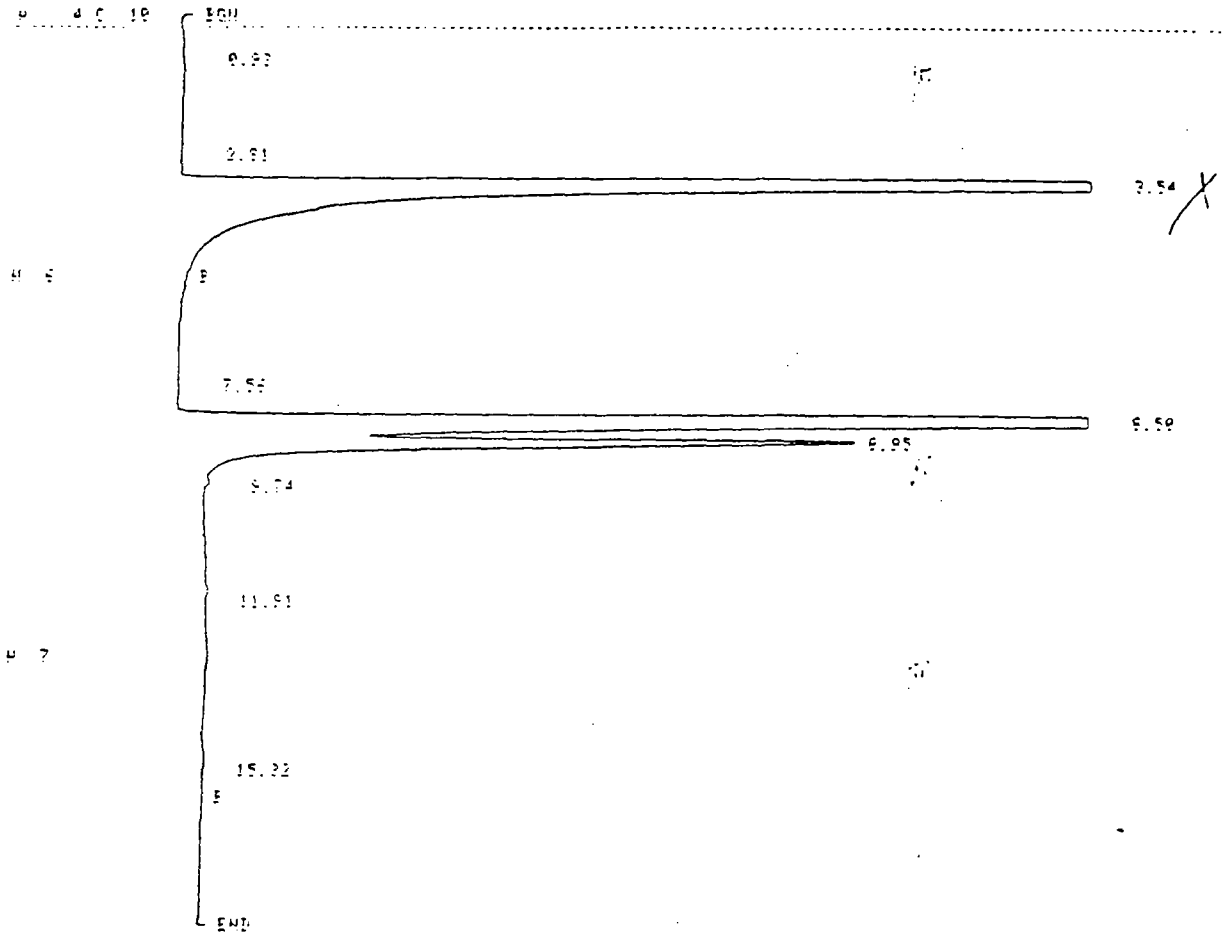
50λ 9010421

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
9.76	ISO TIME 3	20.0 TO 0.0 MIN	KD

RUN 95 10:26 89/01/16

METHOD 9 MODIFIED



RUN 95 10:26 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.93	0.0160	T	0.0235
2.81	0.0210	U	0.0308
3.54	35.6831		52.4637
7.56	0.0256	U	0.0377
8.50	24.5030	T	36.0260
8.95	7.2976	T	10.6764
9.74	0.2097	T	0.3069
11.91	0.1036	U	0.1523
15.32	0.0558		0.0821

25λ 9010422

9 PEAKS / > AREA/HT REJECT

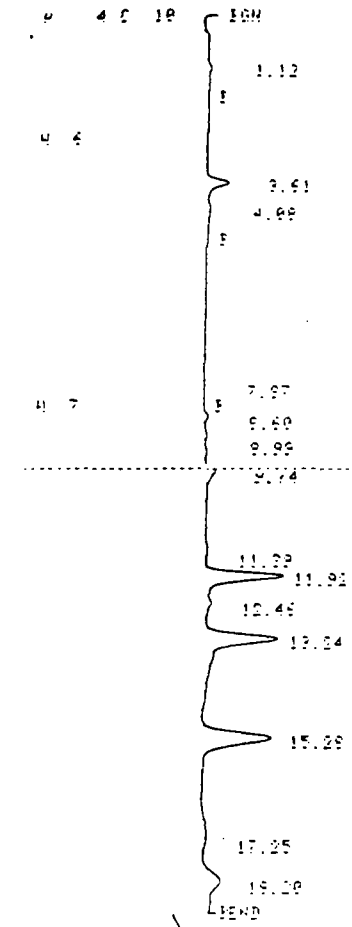
RUN 96 11:04 89/01/16

METHOD 9 MODIFIED

H 4 C 10 BGN

0.65

9010424



RUN 78 20:59 89/01/12

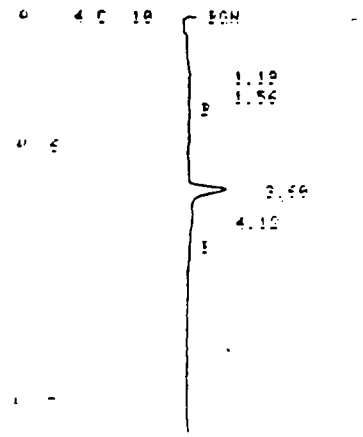
METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.12	0.0543		1.0614
3.61	0.2447	T	4.7835
4.08	0.0704		1.3764
7.87	0.0307		0.6014
8.60	0.0650	T	1.2719
9.99	0.0966	T	1.8884
9.74	0.3863	T	7.5496
11.39	0.1045	T	2.0427
11.92	0.9135	T	17.8537
12.46	0.1753	T	3.4260
13.24	1.3972	T	27.3070
15.28	1.1264	U	22.0134
17.25	0.1295	U	2.5322
18.20	0.3219		6.2918

14 PEAKS > AREA/HT REJECT

RUN 79 21:55 89/01/12

METHOD 9 MODIFIED



[illegible] 1.1691 [illegible]

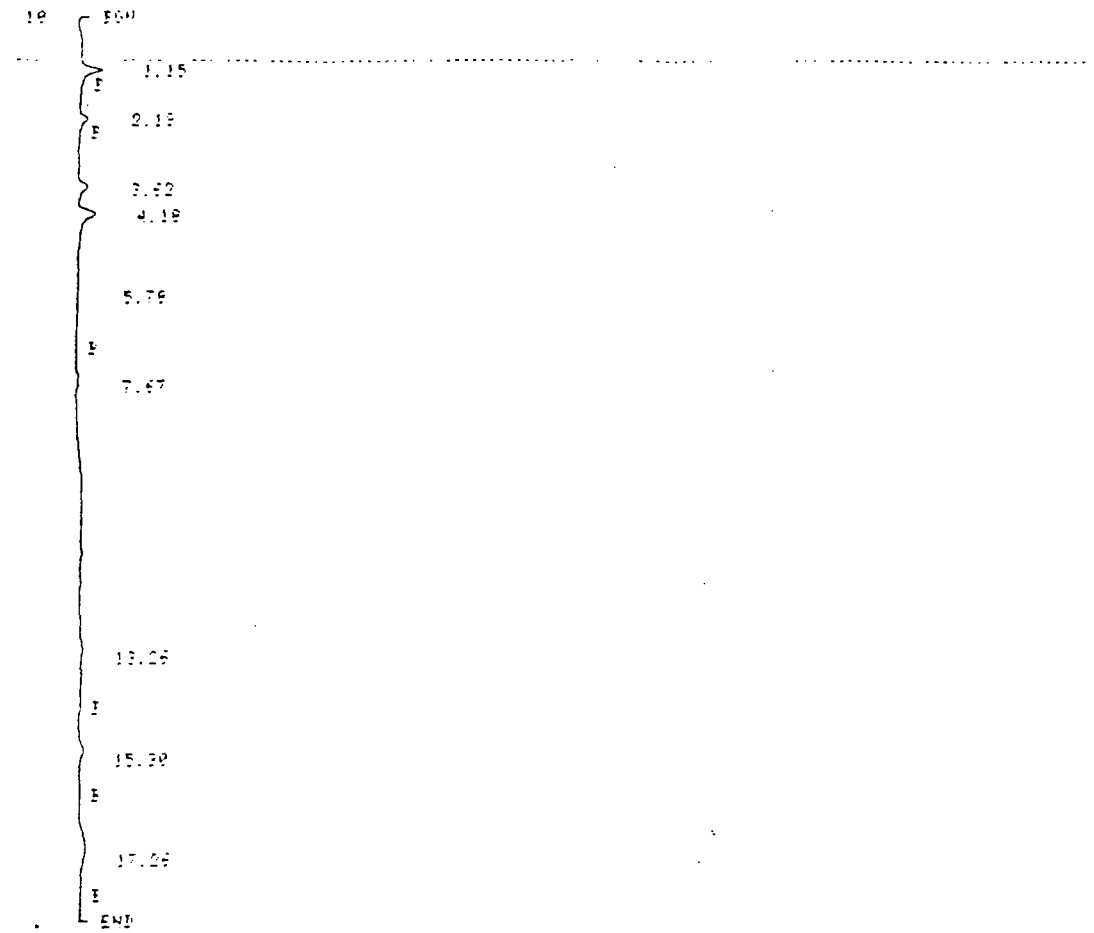
12 PEAKS > AREA/HT REJECT

250 ml 9010423

RUN 85 15:43 89/01/13

METHOD 9 MODIFIED

9 4 C 10



RUN 85 15:43 89/01/13

METHOD 9 MODIFIED CALCULATION

RT	AREA	BC	AREA %
1.15	0.1487		15.6334
2.13	0.0750		7.8836
3.62	0.1104	T	10.7412
4.18	0.2724	T	26.4992
5.79	0.0456		4.4572
7.67	0.0516	H	5.0406
13.26	0.0559		5.4260
15.30	0.0557		5.4065
17.26	0.1772		17.2383

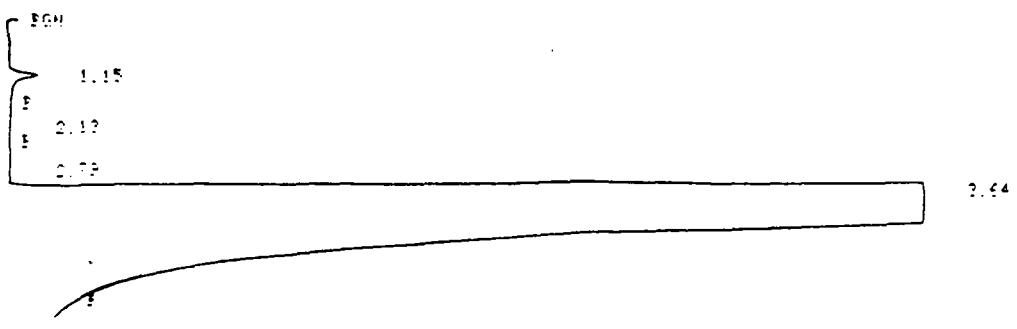
9 PEAKS > AREA/HT REJECT

250 ml 901049

RUN 86 16:28 89/01/13

METHOD 9 MODIFIED

9 4 C 10



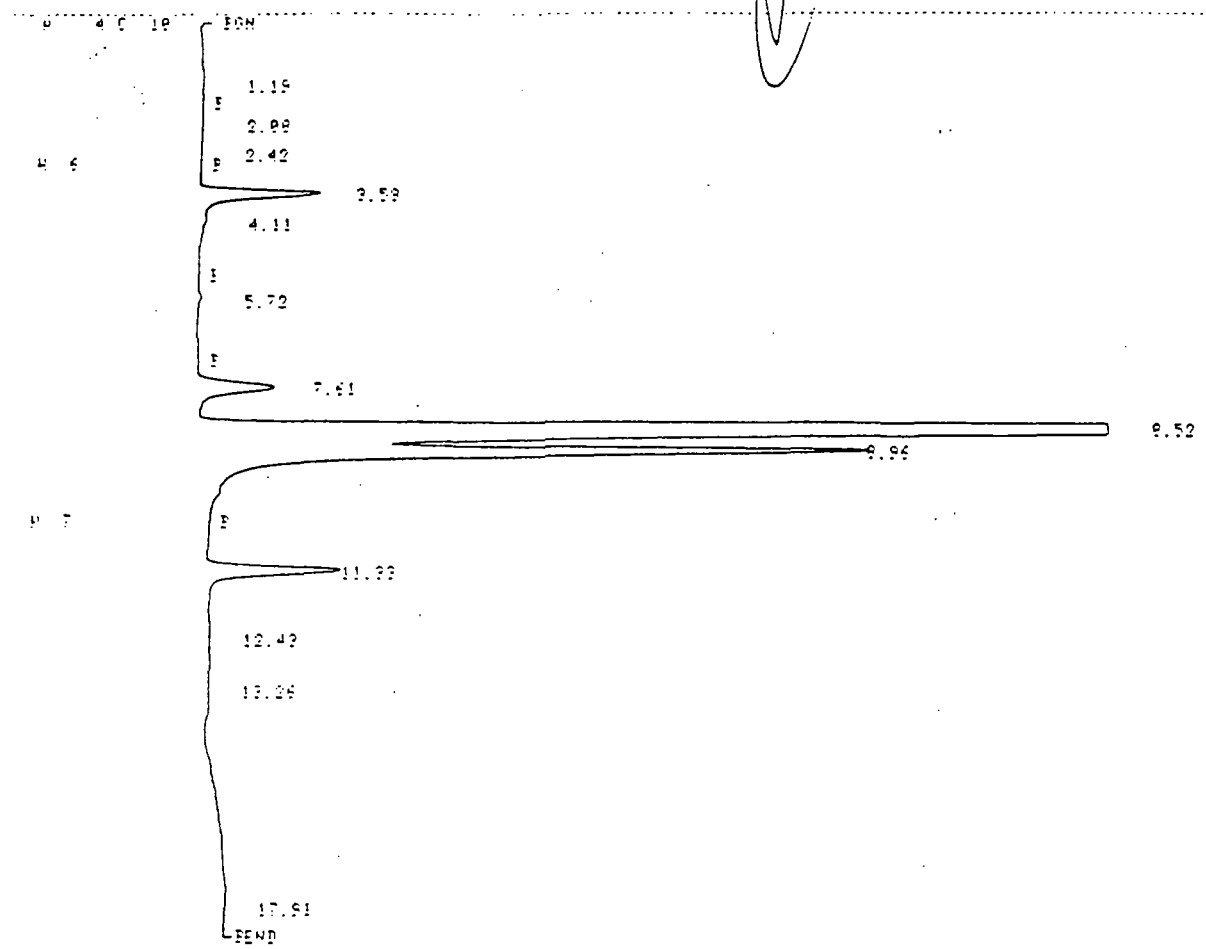
25λ 9010425

RT	AREA	BC	AREA %
0.65	0.0291	H	0.1042
2.56	5.5427		14.7757
3.51	22.9203	T	61.7667
6.96	7.7872		20.7591
13.19	0.0349		0.0932
15.23	0.1076		0.5006

6 PEAKS > AREA/HT REJECT

RUN 97 11:42 89/01/16

METHOD 9 MODIFIED



RUN 97 11:42 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.19	0.0652		0.1797
2.09	0.0301	T	0.0829
2.42	0.0225		0.0619
2.59	1.2657	T	3.4867
4.11	0.1754		0.4914
5.72	0.0529		0.1456
7.61	1.0154	H	2.7913
9.52	24.1057	T	66.3246
9.96	7.6822		20.8223
11.33	1.3779	T	3.7917
12.43	0.0873	T	0.2393
13.26	0.0573	H	0.1542
17.91	0.4069		1.1197

1λ 1T,3 1λ MeOH

13 PEAKS > AREA/HT REJECT

RUN 99 12:21 89/01/16

METHOD 9 MODIFIED

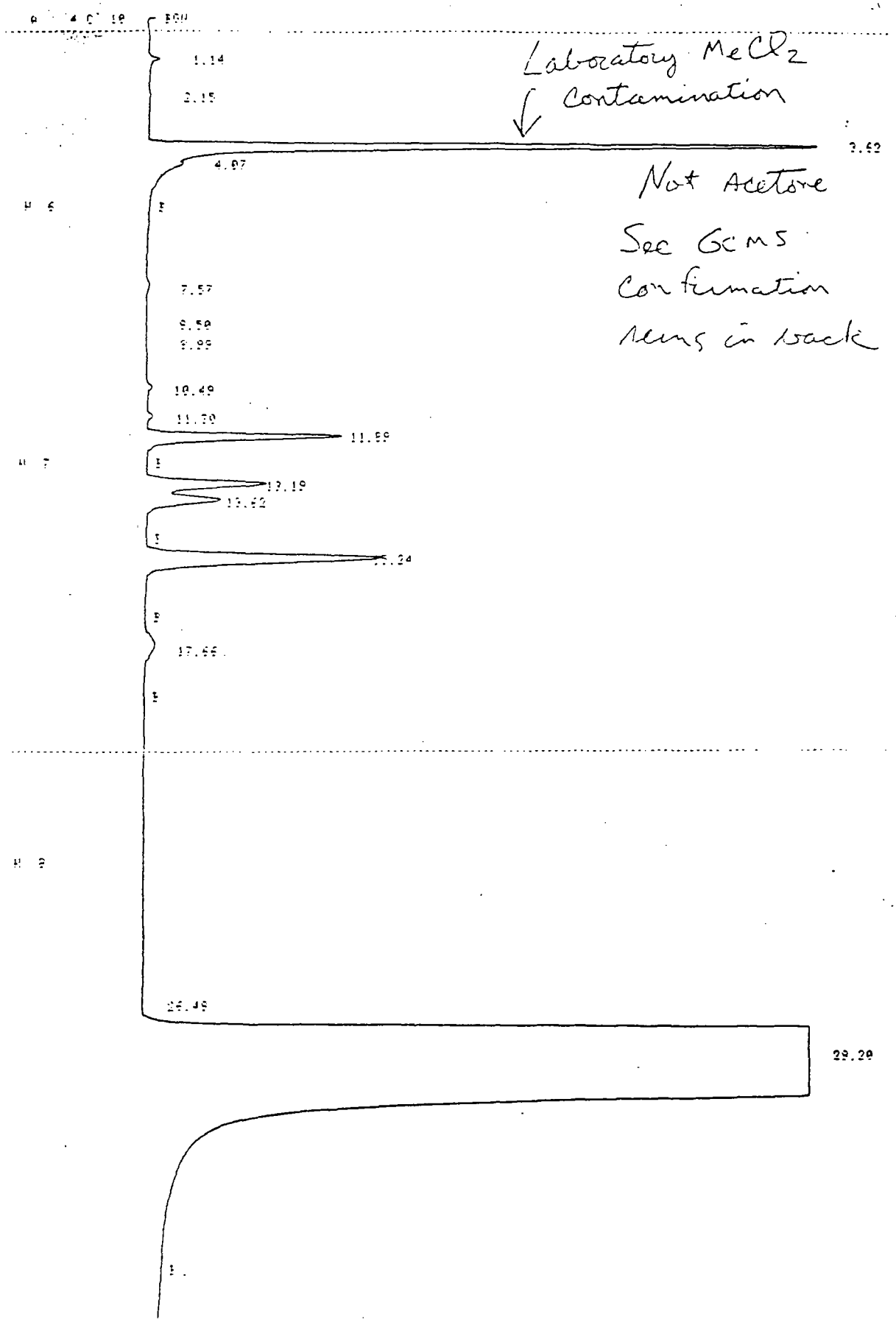
17.59 0.6290 1.9581

9 PEAKS > AREA/HT REJECT

9010424 5ml Reshot

RUN 100 19:44 89/01/16

METHOD 9 MODIFIED



Laboratory $MeCl_2$ Contamination

Not Acetone

See GCMS Confirmation results in back

METHOD 9 MODIFIED CALCULATION: %

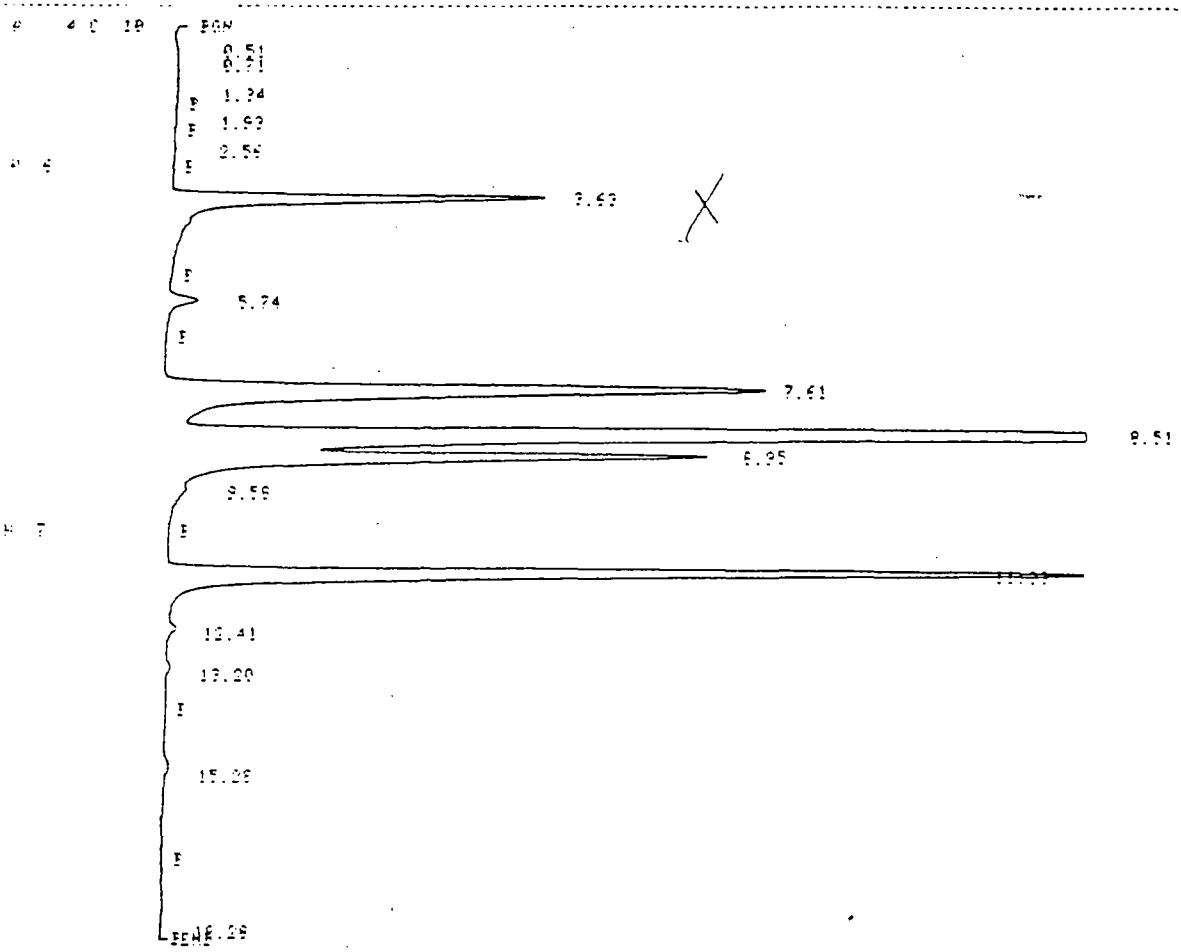
RT	AREA	BC	AREA %
1.99	0.0737	U	0.2534
3.57	0.7976	T	2.7073
4.11	0.0440		0.1512
5.76	0.0127		0.0439
9.53	21.0667	T	72.4153
8.97	7.0063	T	24.0837
11.37	0.0214		0.0739
13.26	0.0148		0.0509
15.23	0.0205		0.0707
17.53	0.0434	U	0.1494

10 PEAKS > AREA/HT REJECT

200λ 9010425

RUN 102 15:51 89/01/16

METHOD 9 MODIFIED



RUN 102 15:51 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.51	0.0162	T	0.0340
0.71	0.0159	T	0.0335
1.34	0.0109		0.0227
1.93	0.0134		0.0282
2.56	0.0219		0.0460
3.63	3.0995		8.3754
5.74	0.3353		0.7041
7.61	8.2193	T	17.2533
8.51	19.2211	T	40.3520
8.95	5.9687	T	12.3206
9.59	0.3375		0.8345
11.33	8.1689	T	19.2488
12.41	0.1524	U	0.3200
13.20	0.0410		0.0902
15.28	0.1122		0.2356
18.28	0.0477		0.1001

16 PEAKS > AREA/HT REJECT

B1 –

9 PEAKS > AREA/HT REJECT

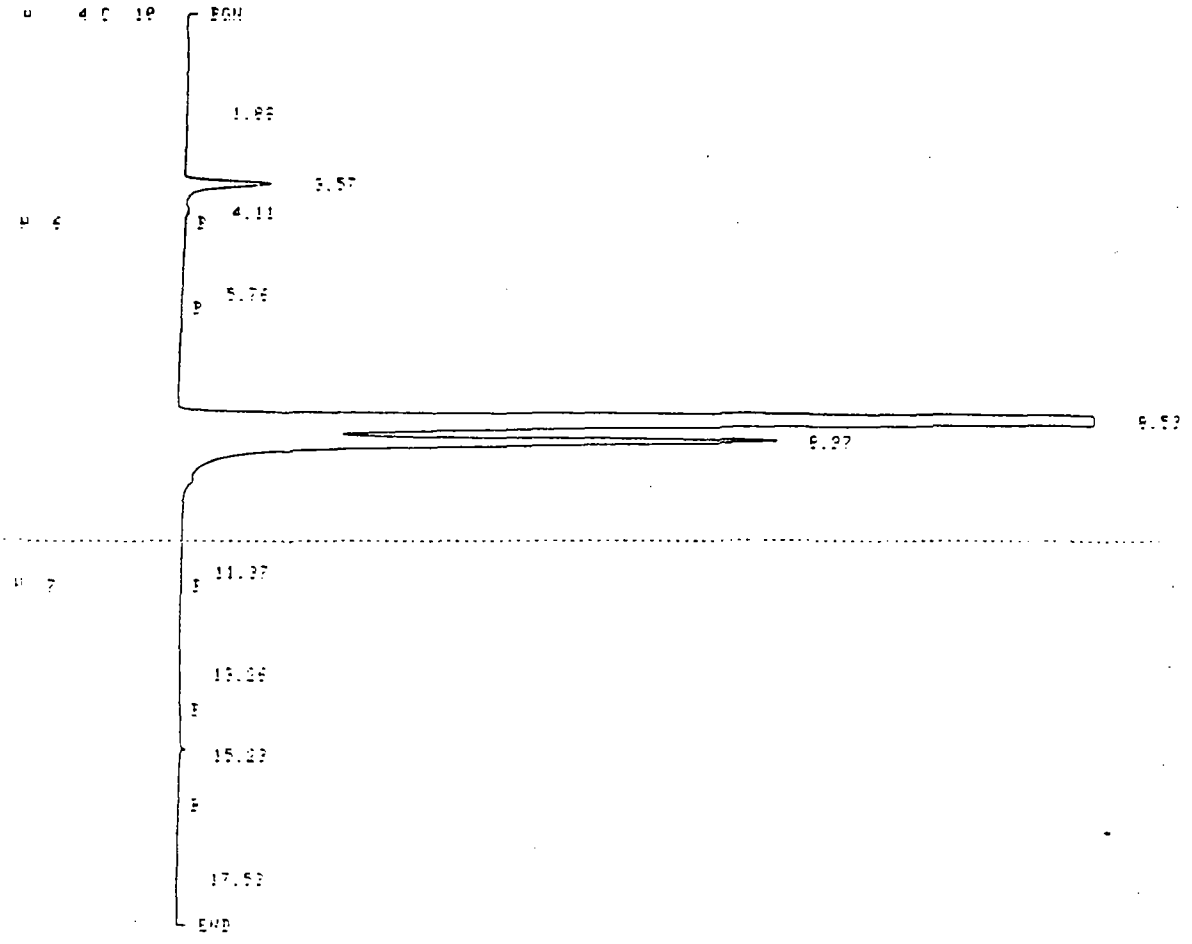
25λ RF

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
9.17	ISO TIME 2	50.0 TO 10.0 MIN	LS

RUN 101 15:21 89/01/16

METHOD 9 MODIFIED



RUN 101 15:21 89/01/16

METHOD 9 MODIFIED CALCULATION: %

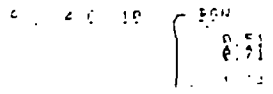
RT	AREA	BC	AREA %
1.86	0.0737	H	0.2504
3.57	0.7576	T	2.7079
4.11	0.0449		0.1512
5.76	0.0127		0.0439
9.53	21.0667	T	72.4152
9.97	7.0053	T	24.0007
11.37	0.0214		0.0738
13.26	0.0145		0.0509
15.23	0.0205		0.0707
17.53	0.0434	H	0.1494

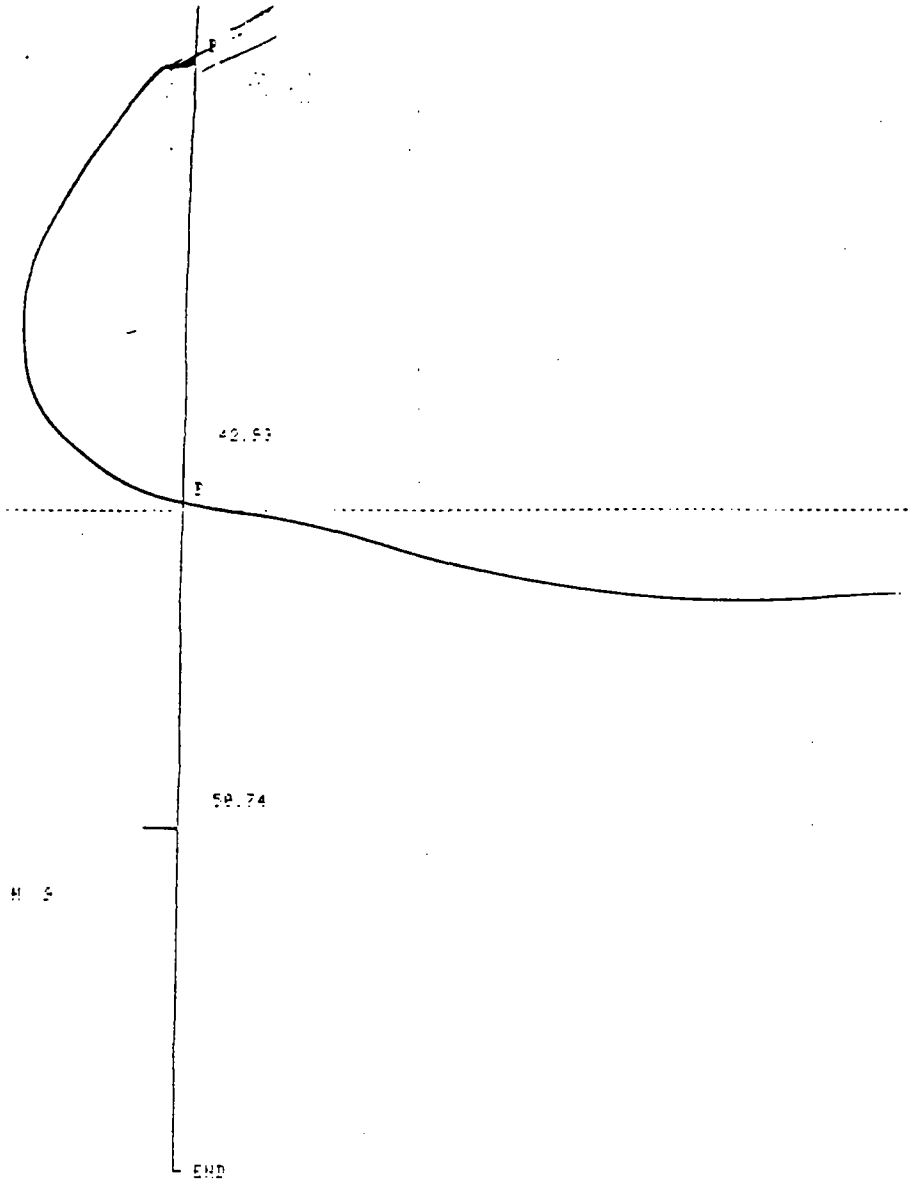
200λ 9010425

10 PEAKS > AREA/HT REJECT

RUN 102 15:51 89/01/16

METHOD 9 MODIFIED





RUN 99 13:04 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.73	0.0310	T	0.0493
1.16	0.2648		0.4119
2.16	0.1641		0.2552
2.60	0.0214	U	0.0334
3.57	0.8531	T	1.3271
4.16	0.4934	T	0.7520
5.75	0.0330	U	0.0517
6.13	0.0199	U	0.0310
6.76	0.0136		0.0211
8.52	22.6671	T	35.2609
8.96	7.5751	T	11.7839
11.32	0.0497	U	0.0773
13.71	0.3536	U	0.5500
15.28	0.0366		0.0570
30.47	1.6993	T	2.6434
31.61	29.4295		45.7905
42.93	0.1324		0.2837
50.74	0.4053	U	0.6305

10 PEAKS > AREA/HT REJECT

25λ 9010428

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
10.47	ISO TIME 3	15.0 TO 50.0 MIN	KB

50.74 0.40[illegible] [illegible] 0.[illegible]

10 PEAKS > AREA/HT REJECT

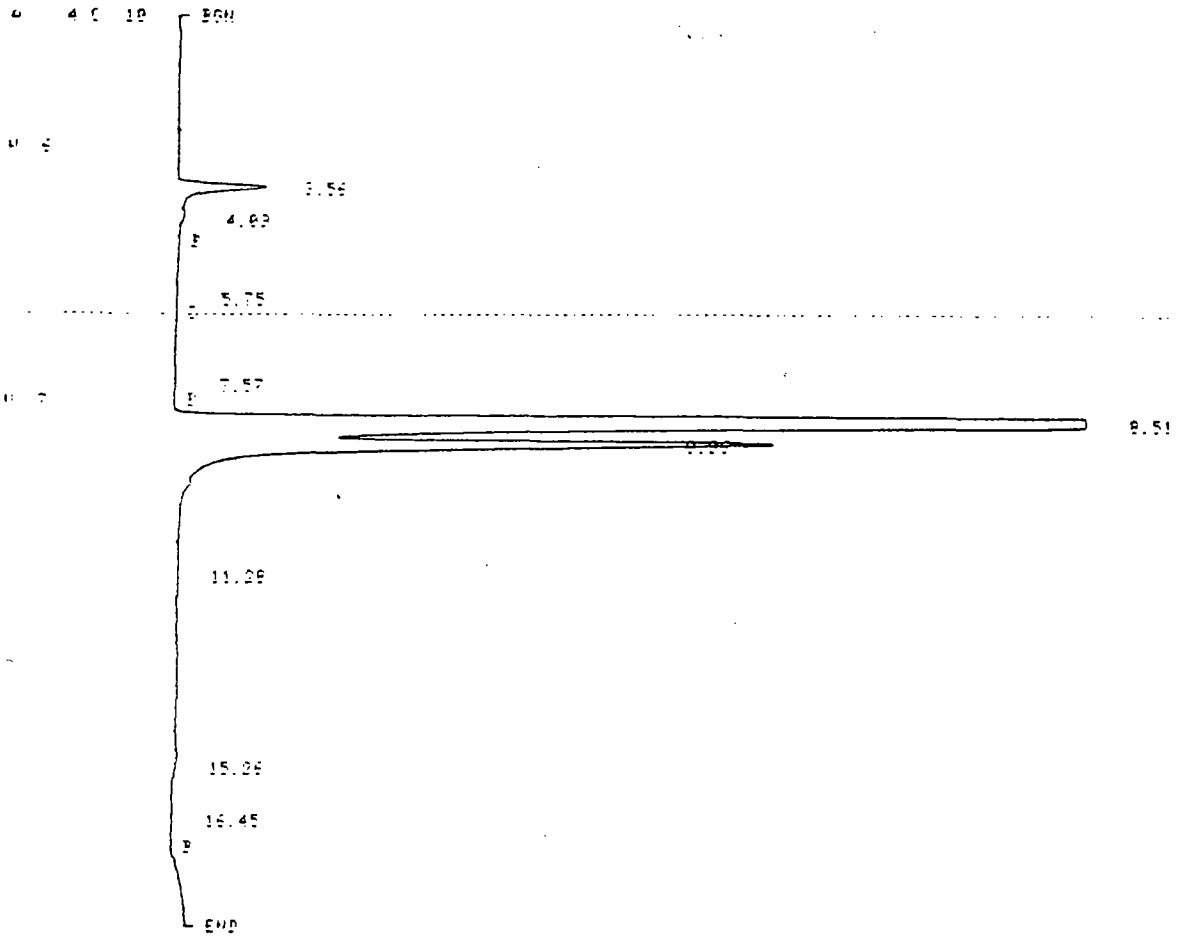
25λ 9010428

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
10.47	ISO TIME 3	15.0 TO 50.0 MIN	KB

RUN 100 14:32 89/01/16

METHOD 9 MODIFIED



RUN 100 14:32 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
3.56	0.[illegible]	T	2.[illegible]
4.09	0.0757		0.2694
5.75	0.0153		0.0524
7.57	0.0181		0.0619
8.51	20.9[illegible]	T	71.7921
9.96	7.0[illegible]	T	24.1[illegible]
11.28	0.1[illegible]	U	0.4049
15.26	0.1[illegible]	U	0.3700
16.45	0.0285		0.0979

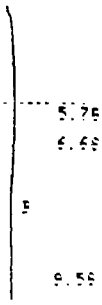
9 PEAKS > AREA/HT REJECT

25λ RF [illegible]

RUN DEVIATIONS

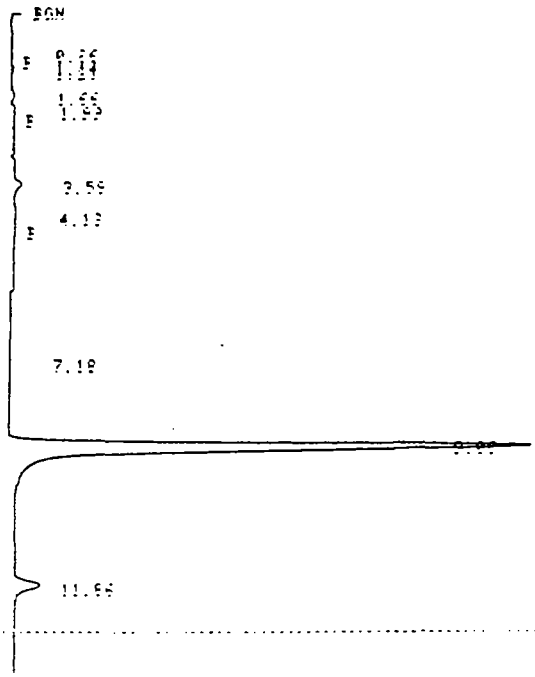
TIME	ZONE	CHANGE	TYPE
8.17	ISO TIME 3	50.0 TO 10.0 MIN	KB

5ml Tq.



RUN 104 16:47 89/01/16

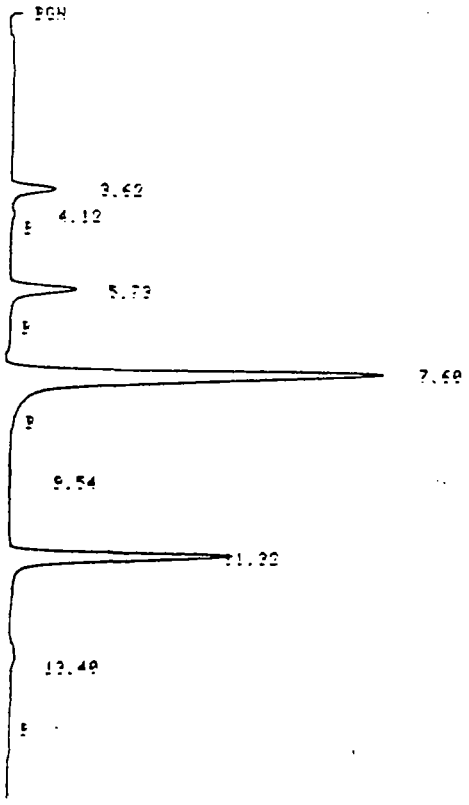
METHOD 9 MODIFIED

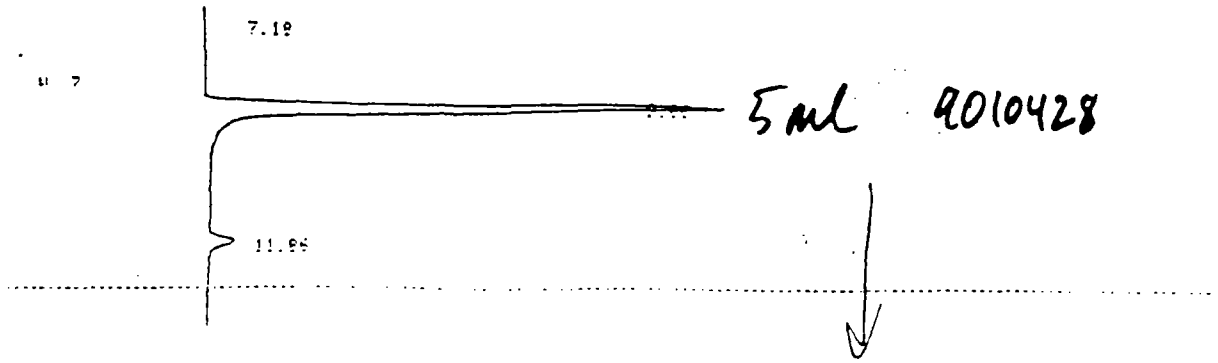


5ml 9010428

RUN 105 17:18 89/01/16

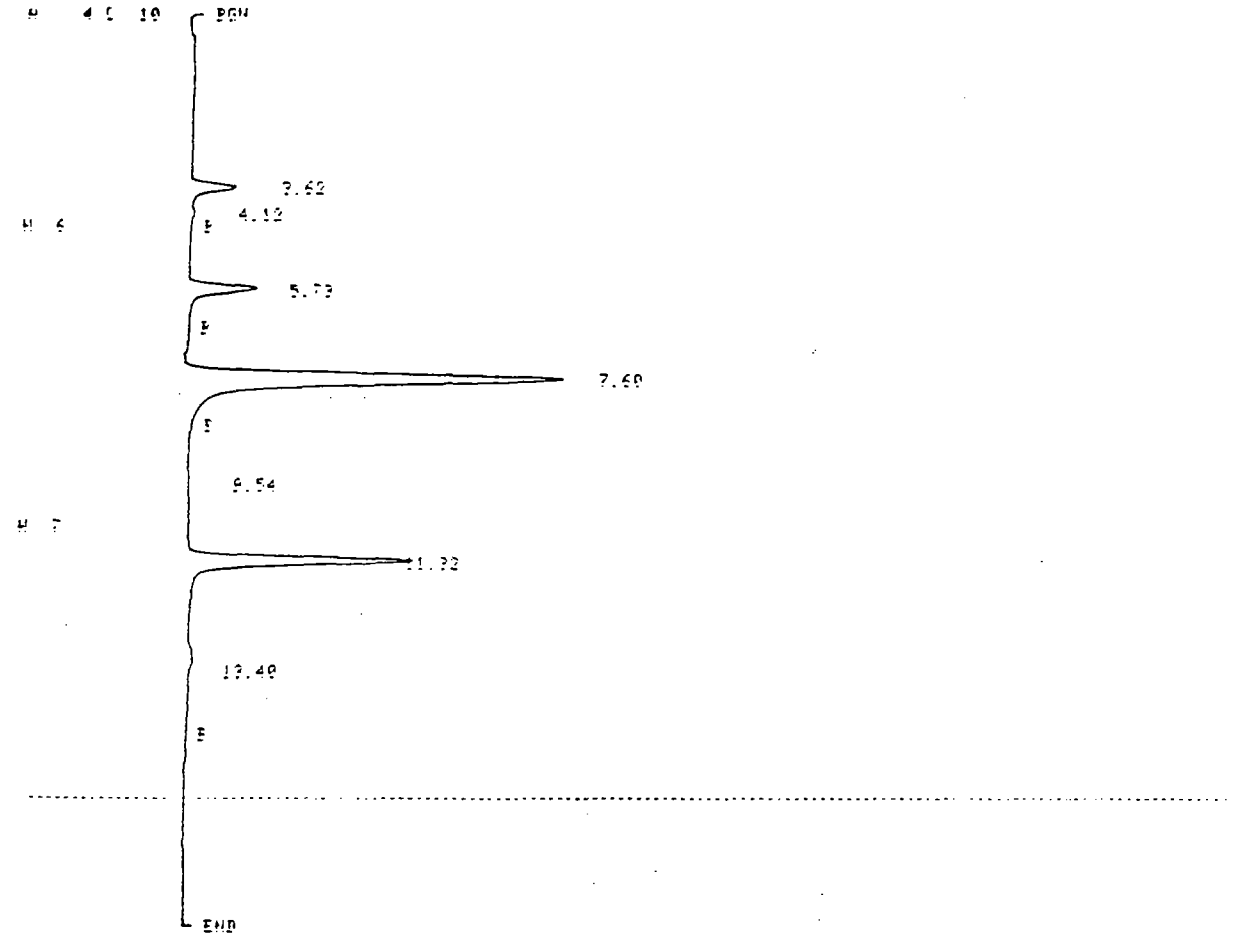
METHOD 9 MODIFIED





RUN 105 17:19 89/01/16

METHOD 9 MODIFIED



RUN 105 17:19 89/01/16

METHOD 9 MODIFIED CALCULATION: %

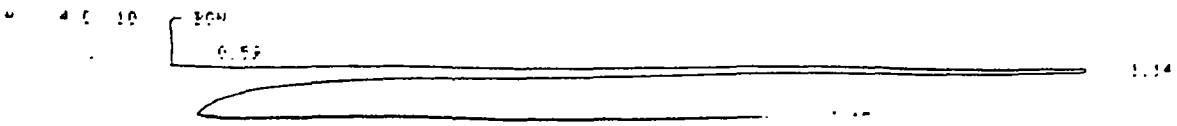
RT	AREA	BC	AREA %
2.62	0.0394	T	4.3049
4.12	0.0044		0.2725
5.73	0.7319		0.1697
7.60	5.1725		57.9170
9.54	0.0043	T	0.2720
11.32	2.3763	T	26.4584
13.40	0.1666		0.8532

7 PEAKS > AREA/HT REJECT

5ml 9010428 + 1ml MeOH + 1ml IT.13

RUN 105 19:19 89/01/16

METHOD 9 MODIFIED



L END

RUN 105 17:18 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
3.62	0.4394	T	4.9049
4.12	0.0244		0.2725
5.73	0.7319		8.1697
7.60	5.1795		57.8170
9.54	0.0243	T	0.2720
11.32	2.3722	T	26.4304
13.40	0.1866		2.0832

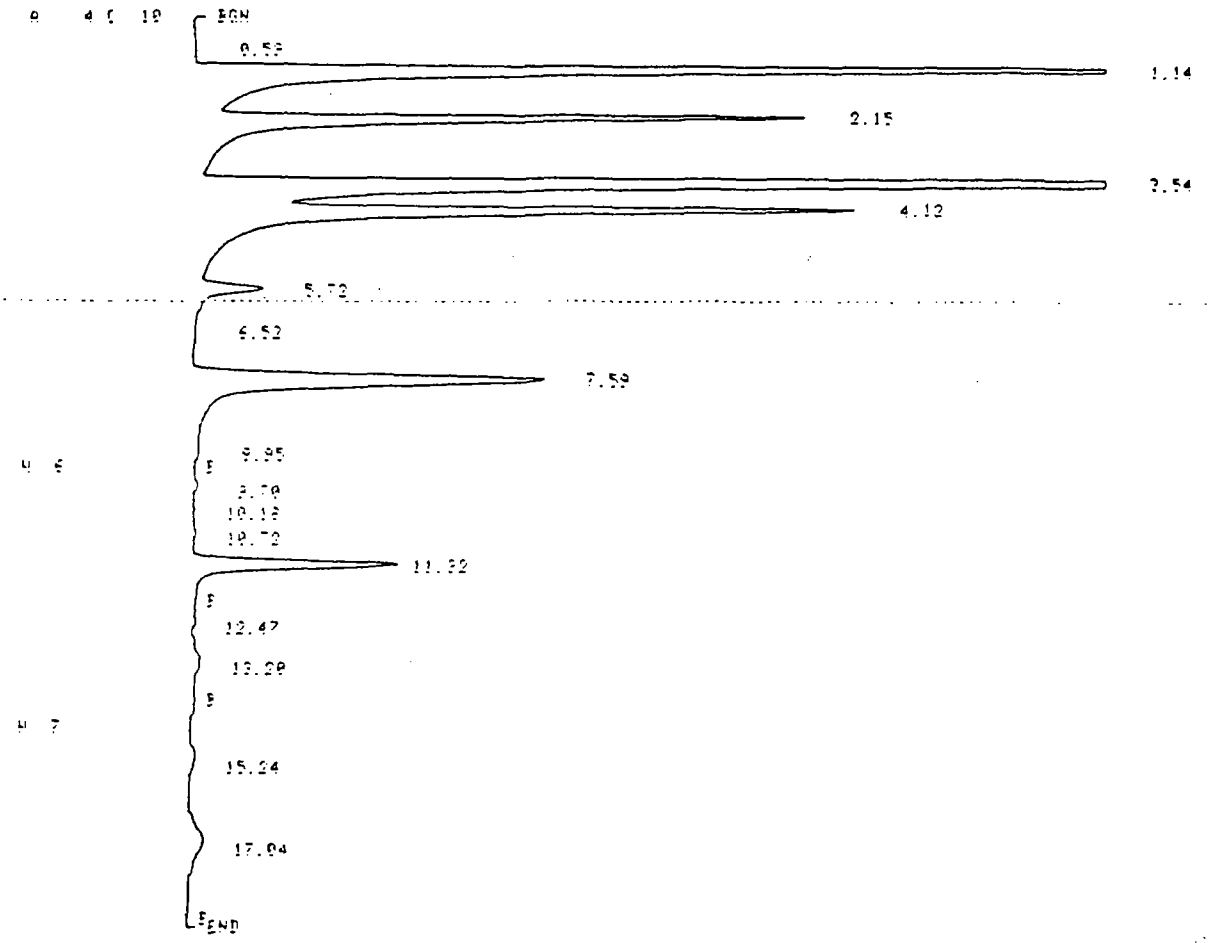
7 PEAKS > AREA/HT REJECT

5ml 9010428 + 1d M404 + 1d 1T,13

MS

RUN 106 18:18 89/01/16

METHOD 9 MODIFIED



RUN 106 18:18 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.59	0.0543	T	0.1036
1.14	11.5566	T	22.0224
2.15	6.6823	T	12.7340
3.54	16.3079	T	31.0765
4.12	9.5462	T	16.2859
5.72	0.9609	T	1.8309
6.52	0.0379	U	0.0721
7.59	5.0889	T	9.7163
8.35	[illegible]		[illegible]
9.70	0.0573	T	0.1092
10.18	0.0304	T	0.0580
10.72	0.0331	U	0.0631
11.32	2.0556		3.9172
12.47	0.0301	U	0.0537
13.20	0.2076		0.3956
15.24	0.1295	U	0.2659
17.04	0.5919		1.1279

12 PEAKS AREA/HT REJECT

1T,13

13.20	0.2076		0.3956
15.24	0.1395	U	0.2659
17.04	0.5919		1.1279

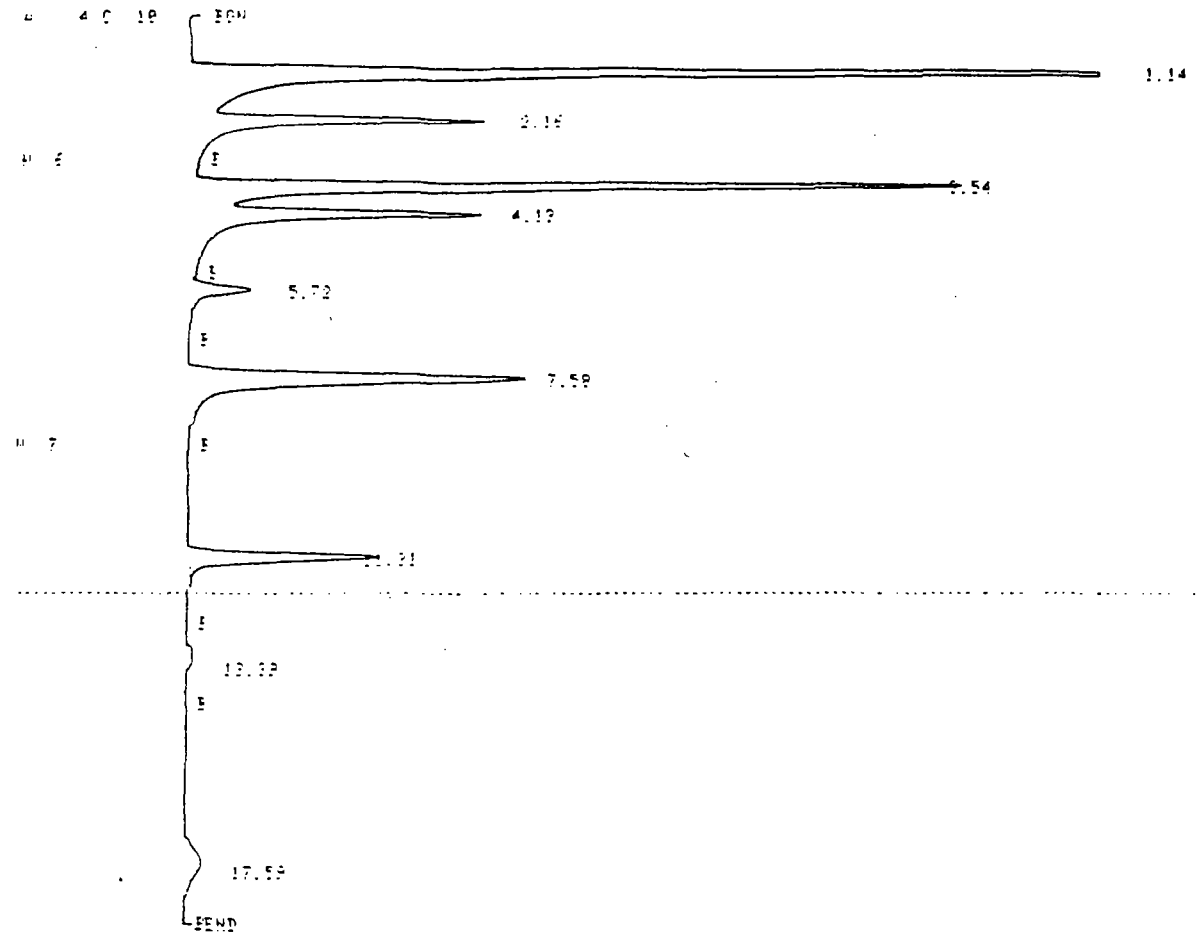
17 PEAKS > AREA/HT REJECT

5ml 9010428 + 1λ MEOH + 1λ IT, 13

MSD

RUN 107 19:02 89/01/16

METHOD 9 MODIFIED



RUN 107 19:02 89/01/16

METHOD 9 MODIFIED CALCULATION: %

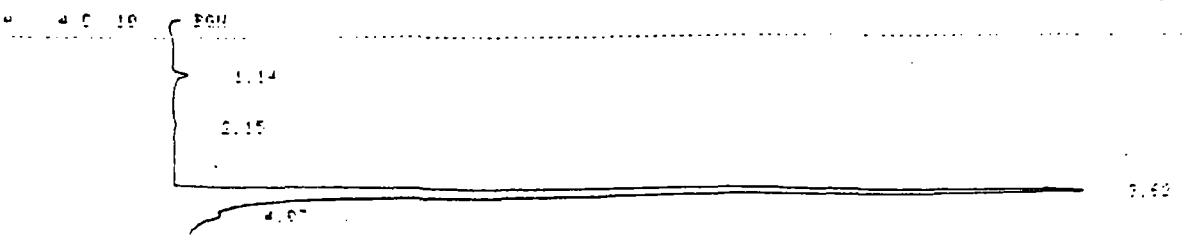
RT	AREA	BC	AREA %
1.14	10.8095	T	23.5621
2.16	2.9001		9.0054
3.54	6.8129	T	21.1550
4.13	3.4239		10.6319
5.72	0.6544		2.0321
7.59	4.7636		14.7917
11.31	2.0604		6.3990
13.39	0.1524		0.4732
17.59	0.6290		1.9501

9 PEAKS > AREA/HT REJECT

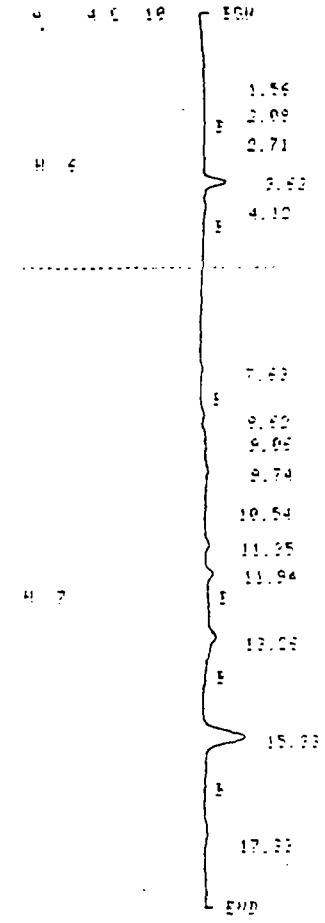
9010424 5ml Reshot

RUN 108 19:44 89/01/16

METHOD 9 MODIFIED



8010537



RUN 80 22:51 89/01/12

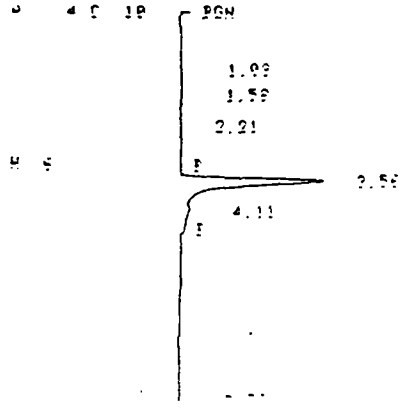
METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.56	0.0432	U	2.5360
2.09	0.0112		0.6105
2.71	0.0225	U	1.1559
3.62	0.2332	T	12.0130
4.12	0.0365		1.8795
7.63	0.0531		2.7289
8.62	0.0414	T	2.1285
9.06	[illegible]	T	4.7726
9.74	[illegible]	T	10.6719
10.54	0.0339	T	2.0028
11.35	0.0695	U	3.5133
11.94	0.0825		4.2357
13.26	0.2111		10.8459
15.33	0.6969		35.2775
17.33	0.1093	U	5.6159

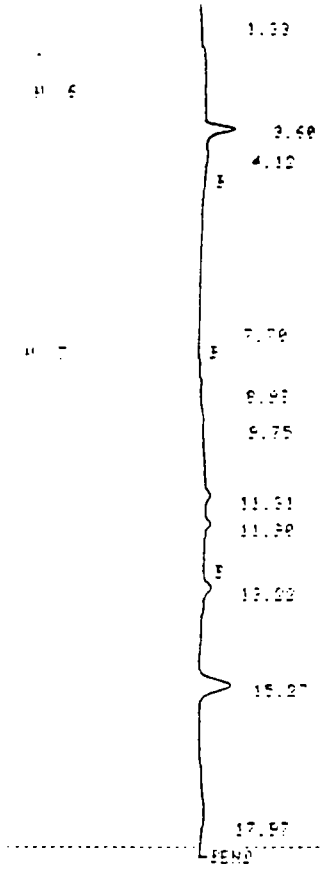
15 PEAKS , AREA/HT REJECT

RUN 81 23:48 89/01/12

METHOD 9 MODIFIED



9010532



RUN 82 0:44 89/01/13

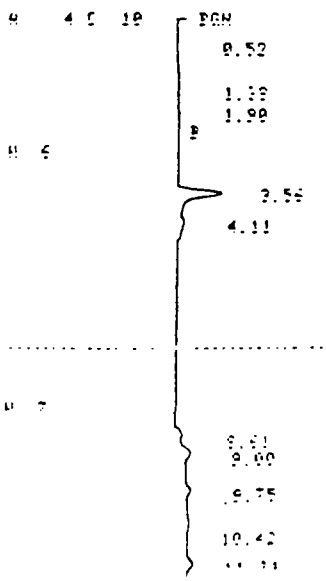
METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.33	0.0317	U	5.2325
3.60	0.2669	T	18.3633
4.12	0.0504		3.2257
7.70	0.0288		1.9431
8.99	0.0355	U	2.3739
9.75	0.0332	T	2.1290
11.31	0.0653	T	4.1851
11.90	0.0746		4.7757
13.22	0.1609	U	10.2997
15.27	0.4926	U	31.5250
17.97	0.2523		16.1495

11 PEAKS > AREA/HT REJECT

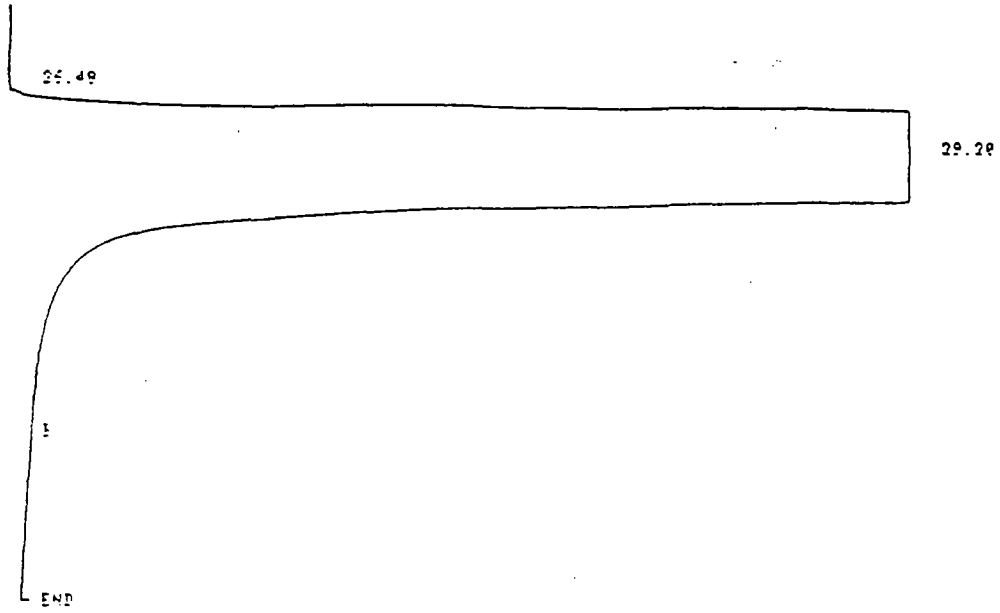
RUN 83 14:19 89/01/13

METHOD 9 MODIFIED



#9

ALS ↑ 1/14↓



RUN 108 19:44 89/01/16

METHOD 9 MODIFIED CALCULATION: %

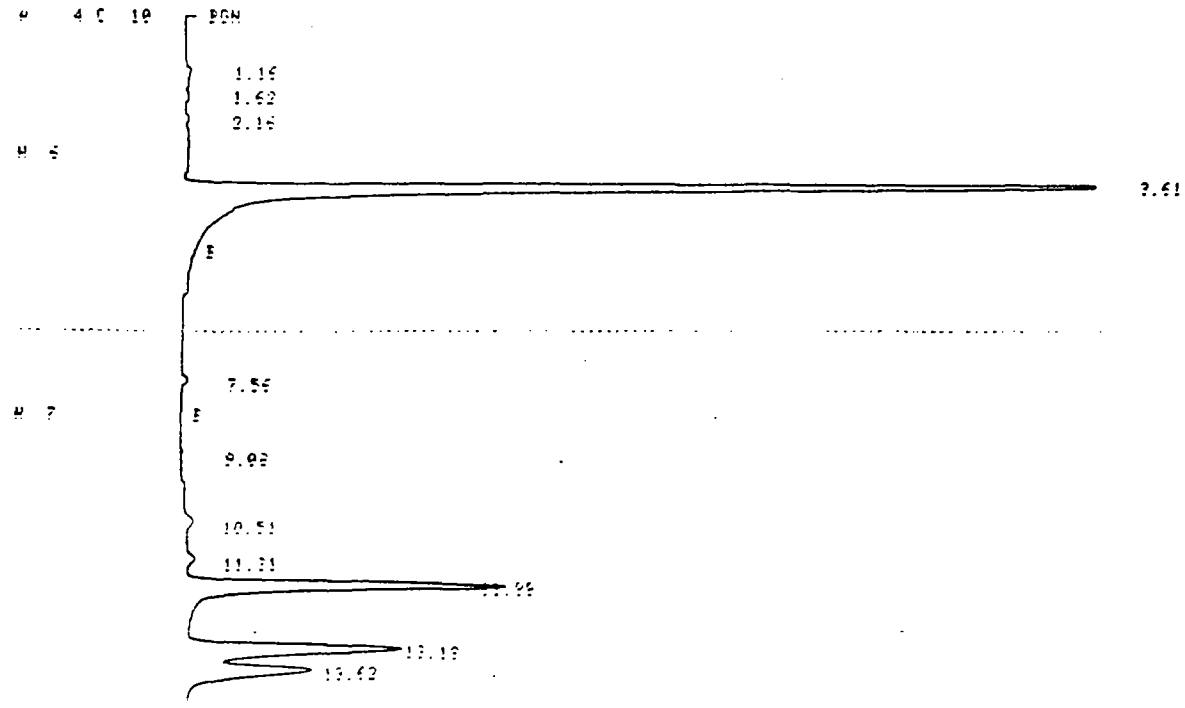
RT	AREA	BC	AREA %
1.14	0.1311	T	0.0099
2.15	0.0600	U	0.0045
3.62	9.4131	T	0.6403
4.07	0.9171		0.0696
7.57	0.0674	U	0.0066
8.50	0.0190	U	0.0014
9.99	0.0132	U	0.0013
10.49	0.0900	T	0.0068
11.30	0.0793	T	0.0060
11.99	2.5799		0.1963
13.19	1.9500	T	0.1484
13.62	1.3880		0.1056
15.24	4.7095		0.3594
17.66	0.4402		0.0336
26.49	0.1384	U	0.0105
29.20	1292.7264		98.3999

16 PEAKS \ AREA/HT REJECT

9010533 5nd Reshot

RUN 109 20:45 89/01/16

METHOD 9 MODIFIED

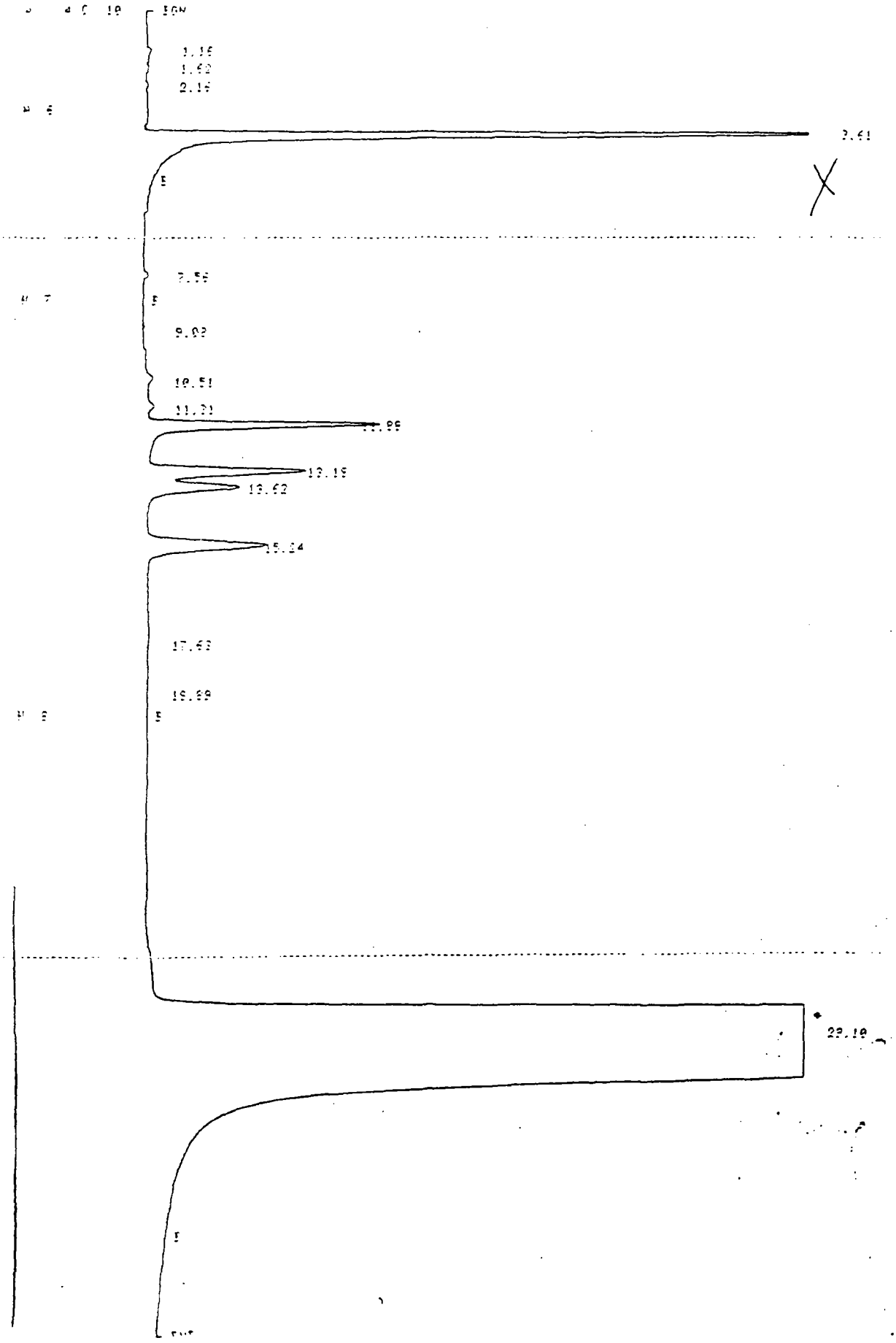


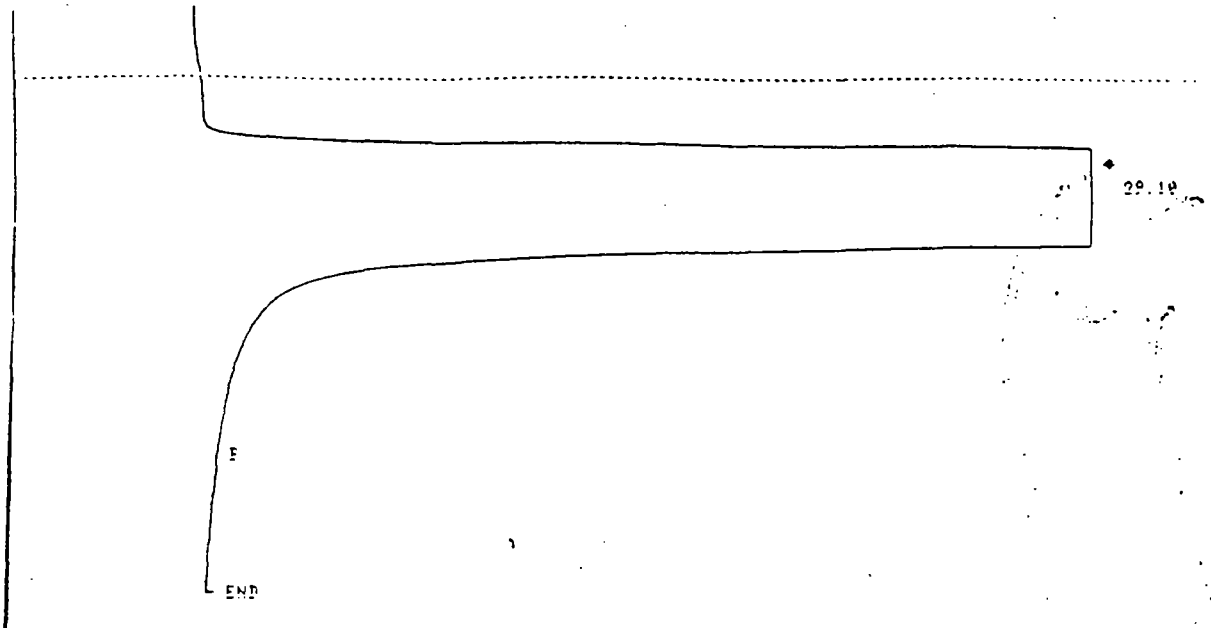
16 PEAKS : AREA/HT REJECT

9010533 5ml Reshot

RUN 109 20:45 89/01/16

METHOD 9 MODIFIED





RUN 109 20:45 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
1.16	0.0[illegible]	T	0.0053
1.62	0.0426	U	0.0025
2.16	0.0339	U	0.0020
3.61	9.7075		0.5773
7.56	0.0955		0.0050
9.09	0.0440	T	0.0026
10.51	0.3590	T	0.0212
11.31	0.3450	T	0.0205
11.89	3.6637	T	0.2179
13.19	2.7257	T	0.1621
13.62	1.9429	T	0.1155
15.24	2.6599	T	0.1582
17.63	0.3746	T	0.0222
[illegible]	[illegible]		[illegible]
29.10	1659.0956		98.6617

15 PEAKS > AREA/HT REJECT

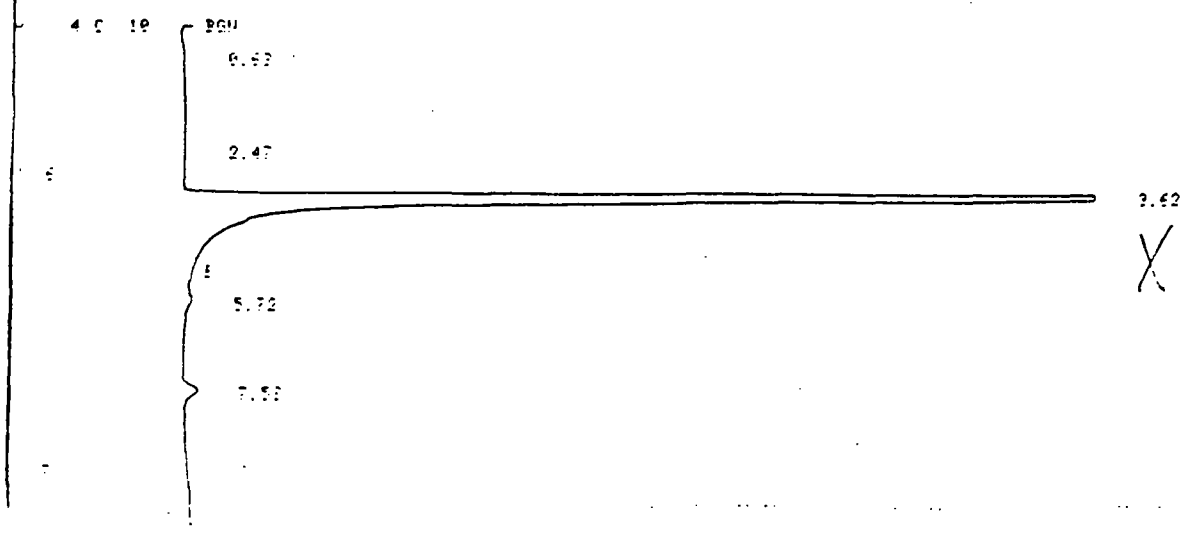
RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
37.72	180 TIME 3	30.0 TO 3.0 MIN	KB

9010532 5ml Reshot

RUN 110 21:40 89/01/16

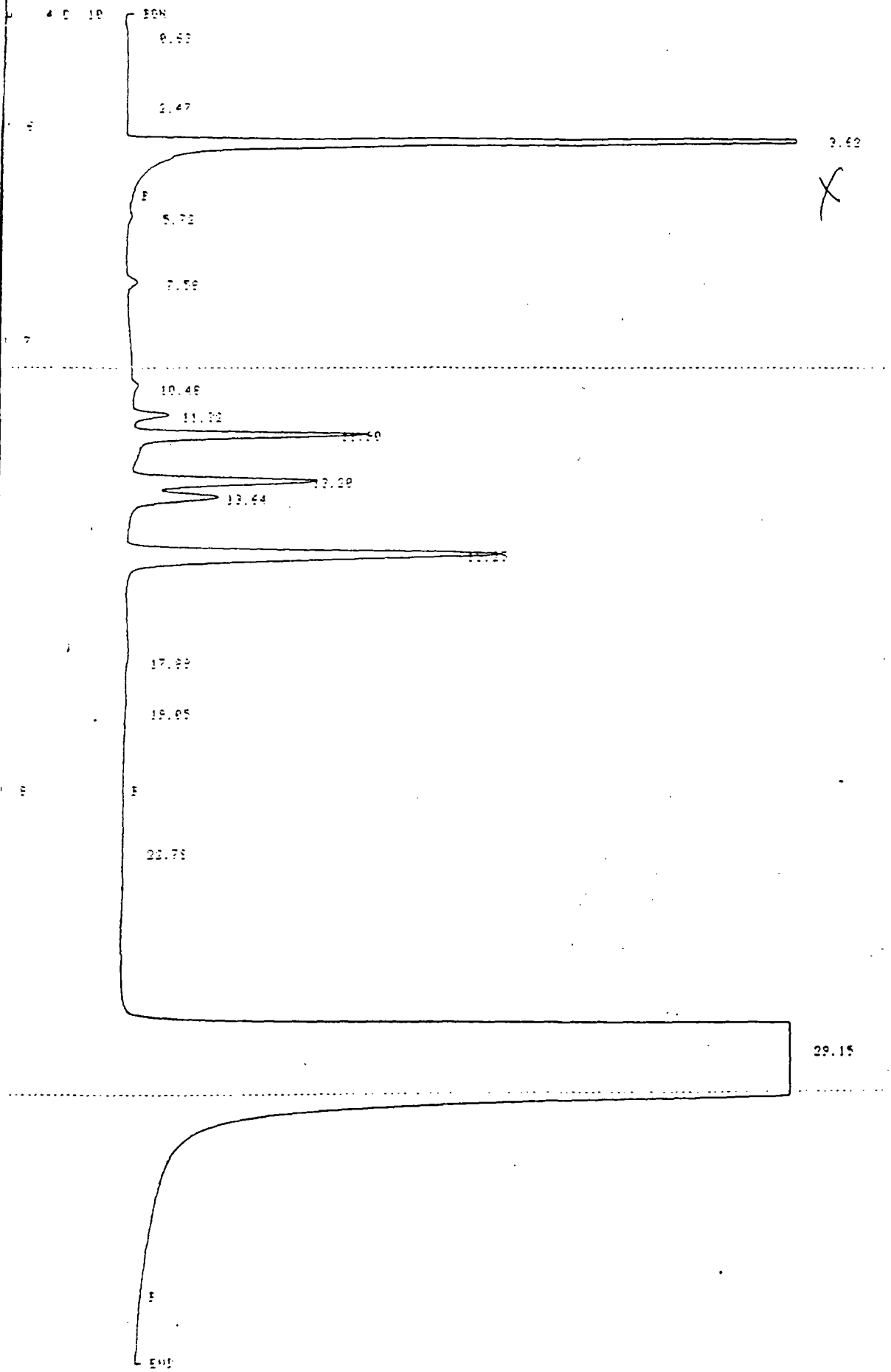
METHOD 9 MODIFIED



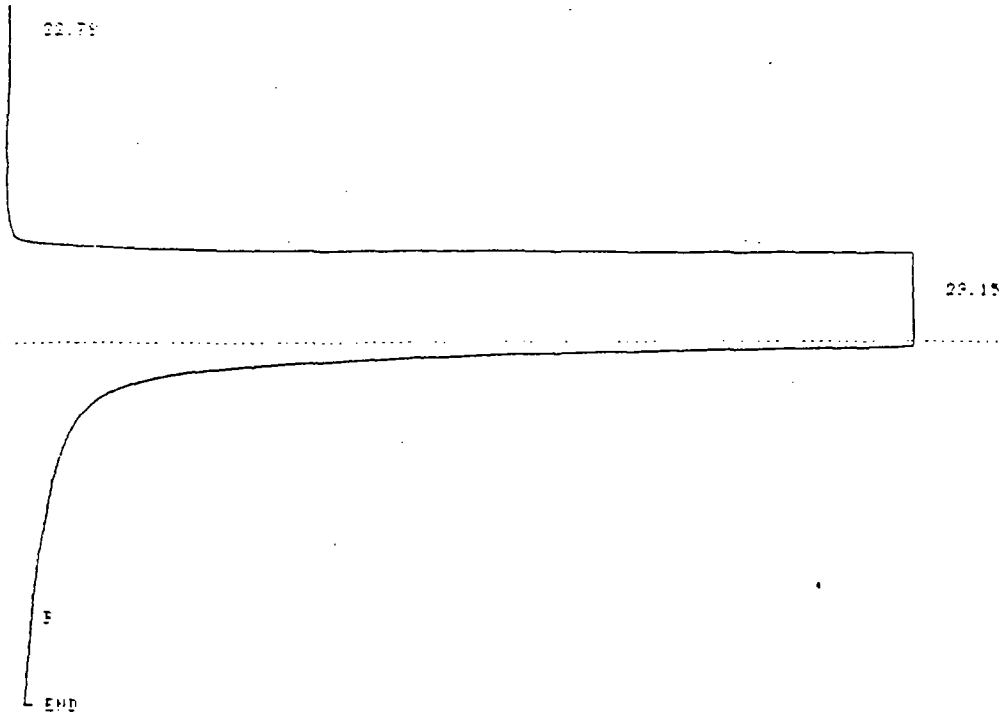
9010532 5ml Reshot

RUN 110 21:40 89/01/16

METHOD 9 MODIFIED



X



RUN 110 21:40 89/01/16

METHOD 9 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.63	0.0343	U	0.0021
2.47	0.0310	U	0.0019
3.62	12.9560		0.0197
5.72	0.0365	U	0.0023
7.53	0.1963	U	0.0124
10.45	0.2299	T	0.0209
11.32	0.7002	T	0.0442
11.90	3.7133	T	0.2346
13.20	3.1790	T	0.2008
13.64	1.8280	T	0.1161
15.25	7.5814	T	0.4790
17.88	0.3049	T	0.0192
19.05	0.1834		0.0115
22.79	0.2321	U	0.0146
29.15	1551.1475		98.0209

15 PEAKS > AREA/HT REJECT

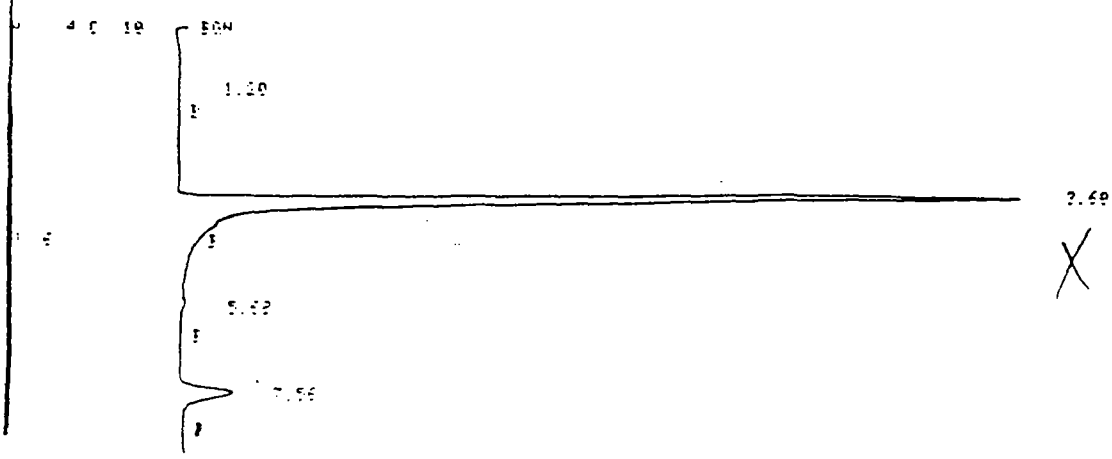
RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE
37.92	ISO TIME 3	30.0 TO 3.0 MIN	KB

9010531 Reshot Sml

RUN 111 22:35 89/01/16

METHOD 9 MODIFIED



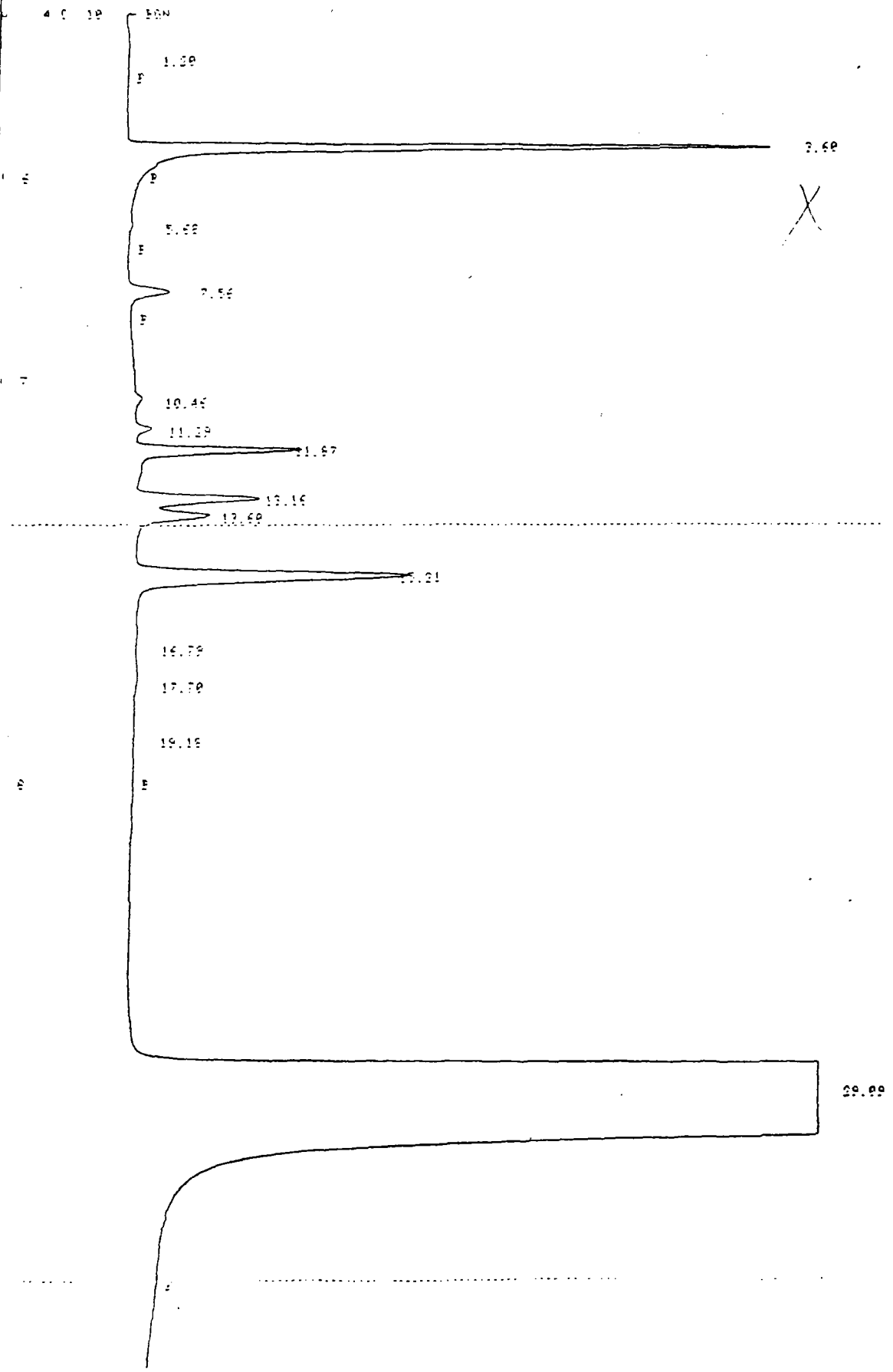
RUN DEFINITIONS

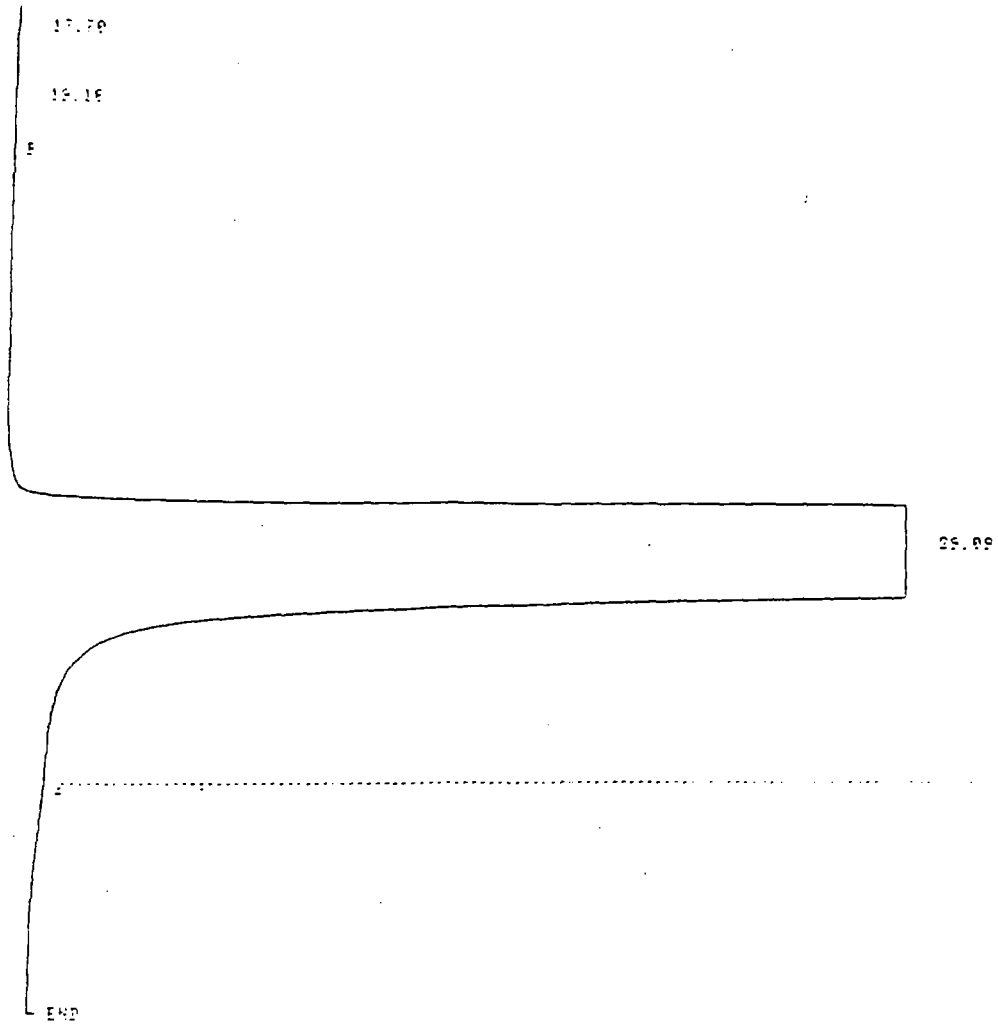
TIME	ZONE	CHANGE	TYPE
37.92	ISO TIME 3	30.0 TO 3.0 MIN	KB

9010531 Reshot Fuel

RUN 111 22:25 89/01/16

METHOD 9 MODIFIED





RUN 111 22:35 89/01/16

METHOD 9 MODIFIED CALCULATION: %

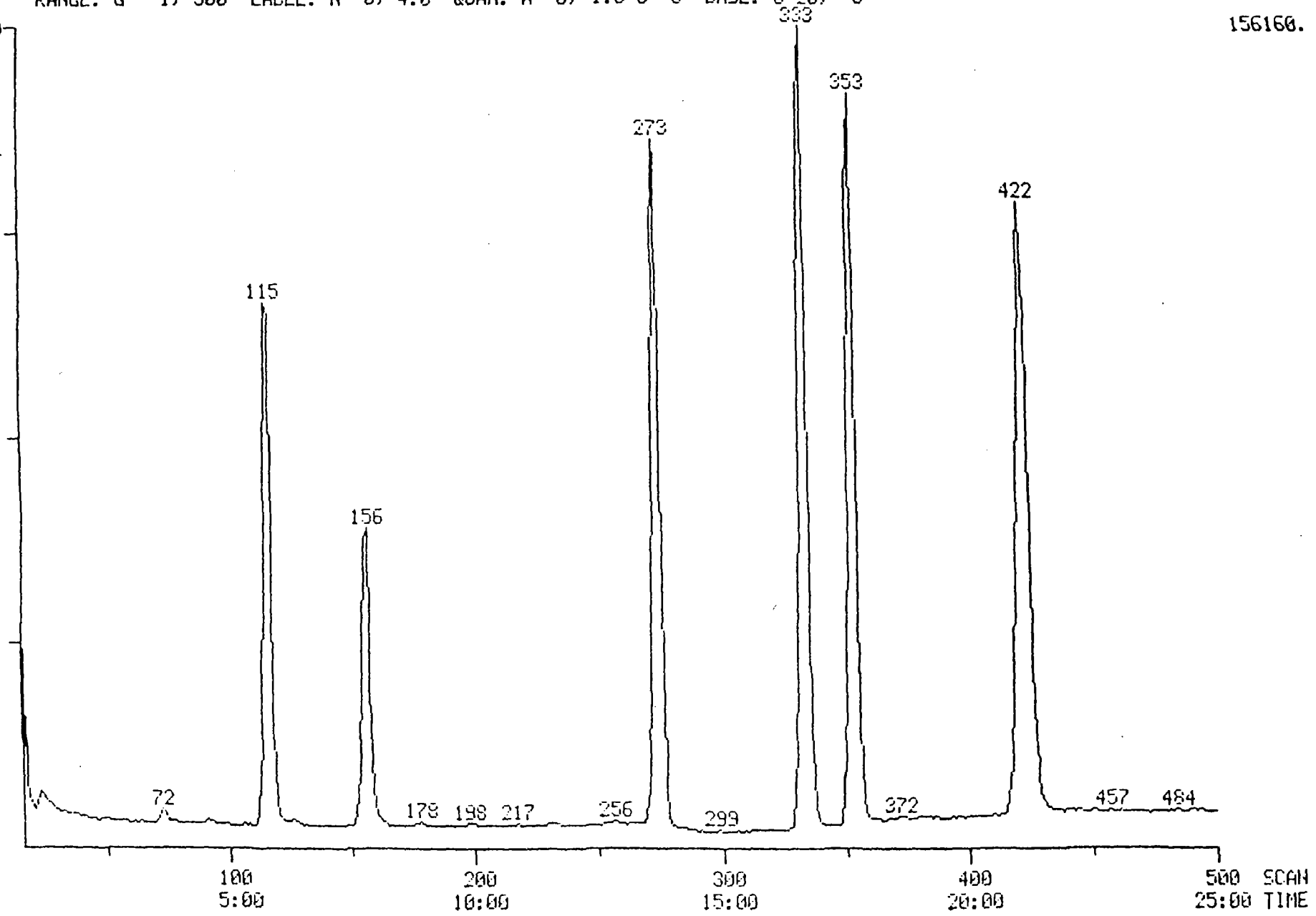
RT	AREA	BC	AREA %
1.20	0.0135		0.0010
3.60	6.7035		0.4994
5.69	0.0403		0.0030
7.56	0.7054		0.0525
10.45	0.1551	T	0.0115
11.29	0.2527	T	0.0188
11.97	2.4555	T	0.1825
12.16	2.0151	T	0.1499
13.50	1.5075	T	0.1122
15.01	5.6419	T	0.4199
16.73	0.2101	T	0.0156
17.70	0.3294	T	0.0245
15.19	0.1520		0.0113
25.85	1323.3269		98.4962

14 PEAKS > AREA/HT REJECT

GC/MS confirmation of suspected acetone peak from alcohol GC analysis

RIC
01/18/89 18:56:00
SAMPLE: DW-2 (50UL)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010424RQ #1 SCANS 15 TO 500
CALI: V9010424RQ #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/18/89 19:24:27
DATA FILE: V9010424RQ
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

---- STANDARDS -----				>< --- PLUS UNKNOWNS ---				>< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	0	VSTDS/VSURR
3	3	1	0	7	3	1	0	VSTDS/V1
3	3	1	0	11	7	4	102	VSTDS/V2
3	3	1	0	11	5	1	0	VSTDS/V3
3	3	1	0	11	5	1	123	VSTDS/V4
3	3	1	0	12	4	3	117	VSTDS/V5

43 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND ><			---------- SEARCH ----------					>< SAT	>< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	115	115	.	1	994	.	128	115	.	1
2	VV	2	273	273	273	.	1	999	.	114	273	.	1
3	VV	3	353	353	353	.	1	996	.	117	353	.	1
4	VV	4	156	156	156	.	1	972	.	65	156	.	1
5	VV	5	333	333	333	.	1	997	.	98	333	.	1
6	VV	6	422	422	422	.	1	993	.	95	422	.	1
7	VV	7	22	22	.	.	.	.	.	50	22	.	1
8	VV	8	32	32	.	.	.	.	.	94	.	.	.
9	VV	9	-37	37	.	.	.	.	.	62	.	.	.
10	VV	10	48	48	.	.	.	.	.	64	.	.	.
11	VV	11	73	73	72	-1	1	1000	.	49	72	.	1
12	VV	12	77	77	78	1	4	998	.	43	78	.	1
13	VV	13	92	92	.	.	.	.	.	76	91	.	1
14	VV	14	99	99	97	-2	1	883	.	101	98	1	1
15	VV	15	107	107	.	.	.	.	.	61	106	.	1
16	VV	16	127	127	127	.	1	924	.	63	127	.	1
17	VV	17	136	136	.	.	.	.	.	61	.	.	.
18	VV	18	147	147	.	.	.	.	.	83	.	.	.
19	VV	19	157	157	.	.	.	.	.	62	156	.	1
20	VV	20	155	155	155	.	1	989	.	43	155	.	1
21	VV	21	178	178	178	.	1	918	.	61	178	.	1
22	VV	22	183	183	.	.	.	.	.	117	.	.	.
23	VV	23	184	184	.	.	.	.	.	43	.	.	.
24	VV	24	192	192	.	.	.	.	.	83	.	.	.
25	VV	25	213	213	.	.	.	.	.	63	.	.	.
26	VV	26	217	217	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	.	.	.	.	.	130	225	.	1
28	VV	28	232	232	233	1	1	957	.	78	233	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	.	.	.
31	VV	31	238	238	.	.	.	.	.	83	.	.	.
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	284	-2	1	881	.	43	.	.	.
35	VV	35	310	309	308	-1	3	890	.	43	.	.	.
36	VV	36	316	315	.	.	.	.	.	166	.	.	.
37	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	335	.	.	.	.	.	92	336	.	1
39	VV	39	354	353	.	.	.	.	.	112	.	.	.
40	VV	40	385	384	.	.	.	.	.	91	385	.	1
41	VV	41	441	440	.	.	.	.	.	104	441	.	1
42	VV	42	458	457	.	.	.	.	.	106	457	.	1
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010424RQ

Data: V9010424RQ.TI
01/18/89 18:56:00
Sample: DW-2 (50UL)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: FMC Analyst: SF Acct. No.: 1:100

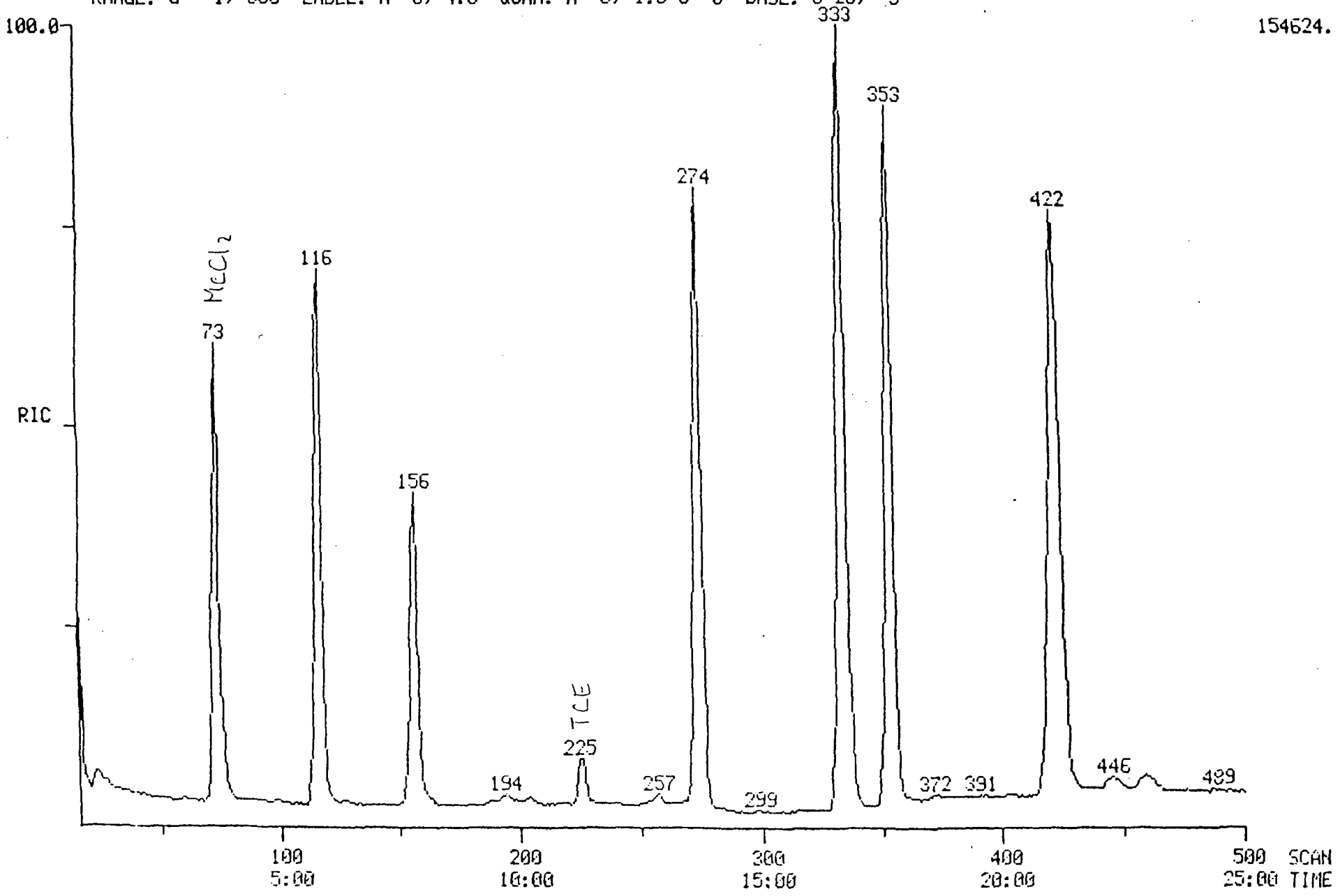
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
29	DIBROMOCHLOROMETHANE
30	CIS-2,3-DICHLOROPROPENE
31	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	115	5:45	1	1.000	A BB	51494.	50.000	UG/L	10.94
2	114	273	13:39	2	1.000	A BB	214220.	50.000	UG/L	10.94
3	117	353	17:39	3	1.000	A BB	162215.	50.000	UG/L	10.94
4	65	156	7:48	1	1.357	A BB	53684.	96.626	%	21.14
5	98	333	16:39	3	0.943	A BB	213811.	102.194	%	22.35
6	95	422	21:06	3	1.195	A BB	148104.	100.515	%	21.99
7	50	22	1:06	1	0.191	A BB	230.	0.221	UG/L	0.05
8	NOT	FOUND								
9	NOT	FOUND								
10	NOT	FOUND								
11	49	72	3:36	1	0.626	A BB	2569.	1.291	UG/L	0.28
12	43	78	3:54	1	0.678	A BB	371.	1.762	UG/L	0.39
13	76	91	4:33	1	0.791	A BB	2353.	0.649	UG/L	0.14
14	101	98	4:54	1	0.852	A BB	259.	0.155	UG/L	0.03
15	61	106	5:18	1	0.922	A BB	98.	0.052	UG/L	0.01
16	63	127	6:21	1	1.104	A BB	1120.	0.487	UG/L	0.11
17	NOT	FOUND								
18	NOT	FOUND								
19	62	156	7:48	1	1.357	A BB	239.	0.223	UG/L	0.05
20	43	155	7:45	2	0.568	A BB	745.	1.626	UG/L	0.36
21	61	178	8:54	2	0.652	A BB	454.	0.524	UG/L	0.11
22	NOT	FOUND								
23	NOT	FOUND								
24	NOT	FOUND								
25	NOT	FOUND								
26	NOT	FOUND								
27	130	225	11:15	2	0.824	A BB	78.	0.035	UG/L	0.01
28	78	233	11:39	2	0.853	A BB	531.	0.116	UG/L	0.03
29	NOT	FOUND								
30	NOT	FOUND								
31	NOT	FOUND								
32	NOT	FOUND								
33	NOT	FOUND								
34	NOT	FOUND								
35	NOT	FOUND								
36	NOT	FOUND								
37	NOT	FOUND								
38	92	336	16:48	3	0.952	A BB	1171.	0.470	UG/L	0.10
39	NOT	FOUND								
40	91	385	19:15	3	1.091	A BB	364.	0.073	UG/L	0.02
41	104	441	22:03	3	1.249	A BB	157.	0.056	UG/L	0.01
42	106	457	22:51	3	1.295	A BB	181.	0.104	UG/L	0.02
43	NOT	FOUND								

RIC
01/18/89 18:12:00
SAMPLE: ACETONE CONF. FOR GC (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V9010424RP #2 SCANS 15 TO 500
CALI: V9010424RP #3



PROCEDURE: TCA DIAGNOSTIC REPORT 1/18/89 20:50:33
DATA FILE: V9010424RP
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	53	6	6	1	49	VSTDS/VSURR
3	3	1	53	7	3	1	53	VSTDS/V1
3	3	1	53	11	6	14	91	VSTDS/V2
3	3	1	53	11	4	3	67	VSTDS/V3
3	3	1	53	11	6	1	118	VSTDS/V4
3	3	1	53	12	7	4	231	VSTDS/V5

43 COMPOUNDS PROCESSED, 17 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	116	116	.	1	992	.	128	116	.	1
2	VV	2	273	274	274	.	1	997	.	114	274	.	1
3	VV	3	353	353	353	.	1	994	.	117	353	.	1
4	VV	4	156	157	156	-1	1	972	.	65	156	.	1
5	VV	5	333	333	333	.	1	996	.	98	333	.	1
6	VV	6	422	422	422	.	1	992	.	95	422	.	1
7	VV	7	22	23	.	.	.	.	.	50	23	.	1
8	VV	8	32	33	.	.	.	.	.	94	31	.	1
9	VV	9	-37	38	.	.	.	.	.	62	.	.	.
10	VV	10	48	49	.	.	.	.	.	64	.	.	.
11	VV	11	73	73	73	.	2	998	.	49	73	.	1
12	VV	12	77	77	78	1	7	996	.	43	78	.	1
13	VV	13	92	92	.	.	.	.	.	76	91	.	1
14	VV	14	99	99	98	-1	1	952	.	101	99	1	1
15	VV	15	107	107	.	.	.	.	.	61	.	.	.
16	VV	16	127	127	.	.	.	.	.	63	127	.	1
17	VV	17	136	136	.	.	.	.	.	61	.	.	.
18	VV	18	147	147	.	.	.	.	.	83	147	.	1
19	VV	19	157	158	.	.	.	.	.	62	157	.	1
20	VV	20	155	156	155	-1	3	981	.	43	155	.	1
21	VV	21	178	179	.	.	.	.	.	61	179	.	1
22	VV	22	183	184	.	.	.	.	.	117	.	.	.
23	VV	23	184	185	.	.	.	.	.	43	.	.	.
24	VV	24	192	193	.	.	.	.	.	83	.	.	.
25	VV	25	213	214	.	.	.	.	.	63	.	.	.
26	VV	26	217	218	.	.	.	.	.	75	.	.	.
27	VV	27	225	225	225	.	1	997	.	130	225	.	1
28	VV	28	232	232	233	1	1	960	.	78	233	.	1
29	VV	29	237	237	.	.	.	.	.	129	.	.	.
30	VV	30	237	237	.	.	.	.	.	75	236	.	1
31	VV	31	238	238	.	.	.	.	.	83	238	.	1
32	VV	32	254	254	.	.	.	.	.	63	.	.	.
33	VV	33	280	280	.	.	.	.	.	173	.	.	.
34	VV	34	286	286	284	-2	1	880	.	43	.	.	.
35	VV	35	310	311	315	4	2	869	.	43	.	.	.
36	VV	36	316	317	.	.	.	.	.	166	.	.	.
37	VV	37	316	317	.	.	.	.	.	83	319	.	1
38	VV	38	336	337	336	-1	1	990	.	92	336	.	1
39	VV	39	354	355	.	.	.	.	.	112	.	.	.
40	VV	40	385	386	.	.	.	.	.	91	384	.	1
41	VV	41	441	442	.	.	.	.	.	104	.	.	.
42	VV	42	458	459	459	.	2	985	.	106	459	.	1
43	VV	43	-254	255	252	-3	1	907	.	109	252	.	1

Quantitation Report File: V9010424RP

Data: V9010424RP.TI
01/18/89 18:12:00
Sample: ACETONE CONF. FOR GC (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: WAA Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

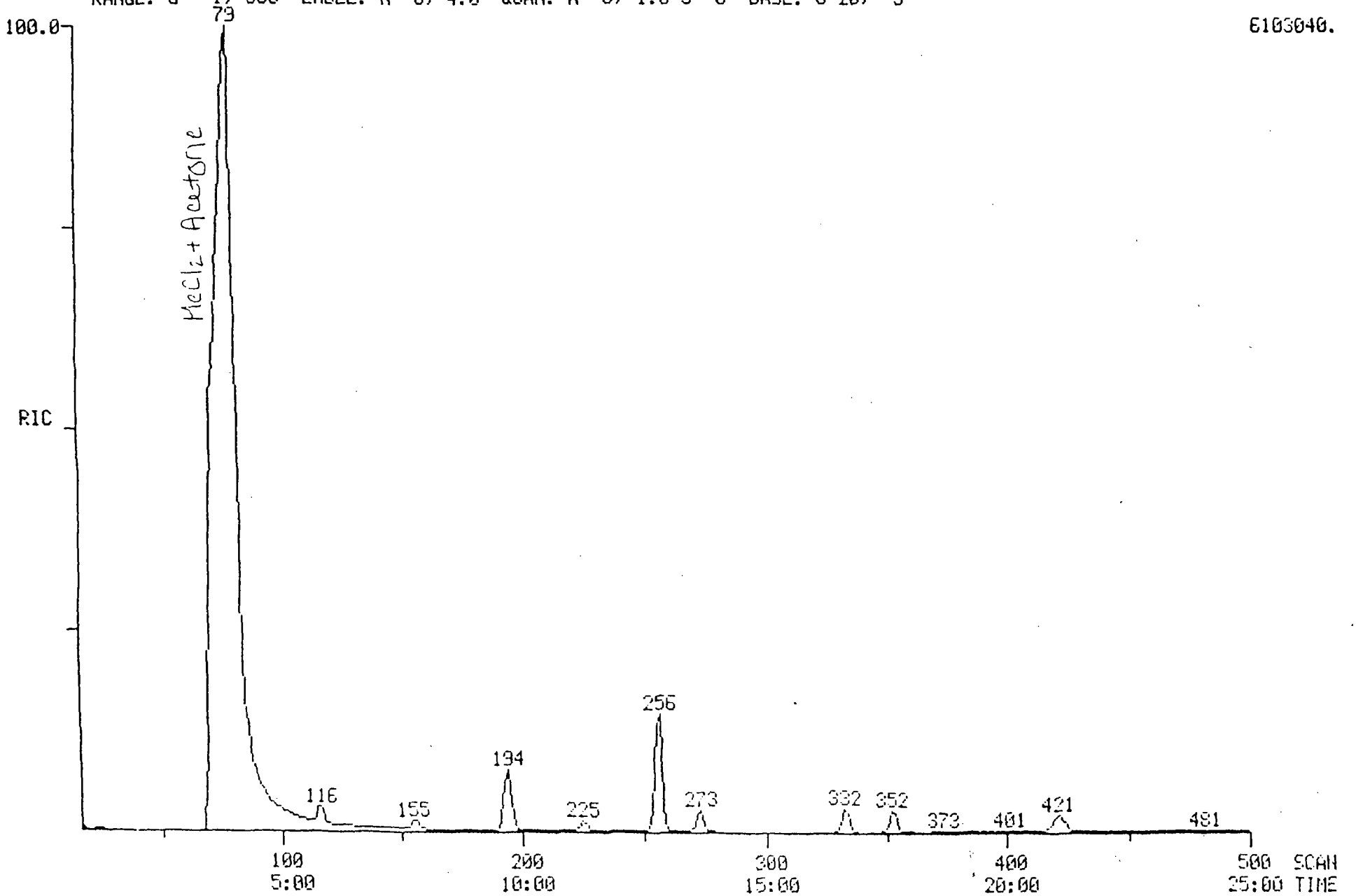
No	Name
1	BROMOCHLOROMETHANE (1S1)
2	1,4-DIFLUOROBENZENE (1S2)
3	CHLOROBENZENE-D5 (1S3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
29	DIBROMOCHLOROMETHANE
30	CIS-2,3-DICHLOROPROPENE
31	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	116	5:48	1	1.000	A BB	51749.	50.000	UG/L	9.68
2	114	274	13:42	2	1.000	A BB	190570.	50.000	UG/L	9.68
3	117	353	17:39	3	1.000	A BB	156080.	50.000	UG/L	9.68
4	65	156	7:48	1	1.345	A BB	54678.	97.930	%	18.97
5	98	333	16:39	3	0.943	A BB	205586.	102.125	%	19.78
6	95	422	21:06	3	1.195	A BB	144775.	102.118	%	19.78
7	50	23	1:09	1	0.198	A BB	258.	0.247	UG/L	0.05
8	94	31	1:33	1	0.267	A BB	51.	0.039	UG/L	0.01
9	NOT	FOUND								
10	NOT	FOUND								
11	49	73	3:39	1	0.629	A BB	93290.	46.637	UG/L	9.03
12	43	78	3:54	1	0.672	A VB	539.	2.548	UG/L	0.49
13	76	91	4:33	1	0.784	A BB	1129.	0.310	UG/L	0.06
14	101	99	4:57	1	0.853	A BB	768.	0.458	UG/L	0.09
15	NOT	FOUND								
16	63	127	6:21	1	1.095	A BB	547.	0.237	UG/L	0.05
17	NOT	FOUND								
18	83	147	7:21	1	1.267	A BB	125.	0.056	UG/L	0.01
19	62	157	7:51	1	1.353	A BB	1537.	1.429	UG/L	0.28
20	43	155	7:45	2	0.566	A BB	728.	1.786	UG/L	0.35
21	61	179	8:57	2	0.653	A BB	117.	0.152	UG/L	0.03
22	NOT	FOUND								
23	NOT	FOUND								
24	NOT	FOUND								
25	NOT	FOUND								
26	NOT	FOUND								
27	130	225	11:15	2	0.821	A BB	6321.	3.189	UG/L	0.62
28	78	233	11:39	2	0.850	A BB	645.	0.158	UG/L	0.03
29	NOT	FOUND								
30	75	236	11:48	2	0.861	A BB	114.	0.109	UG/L	0.02
31	83	238	11:54	2	0.869	A BB	171.	0.123	UG/L	0.02
32	NOT	FOUND								
33	NOT	FOUND								
34	NOT	FOUND								
35	NOT	FOUND								
36	NOT	FOUND								
37	83	319	15:57	3	0.904	A BB	35.	0.023	UG/L	0.00
38	92	336	16:48	3	0.952	A BB	10682.	4.460	UG/L	0.86
39	NOT	FOUND								
40	91	384	19:12	3	1.088	A BB	549.	0.115	UG/L	0.02
41	NOT	FOUND								
42	106	459	22:57	3	1.300	A VB	2950.	1.763	UG/L	0.34
43	109	252	12:36	2	0.920	A BB	511.	0.294	UG/L	0.06

RIC
01/18/89 19:32:00
SAMPLE: ACETONE CONF (5ML)
CONDS.: GC DESC VO
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U·20, 3

DATA: V9010424RR #2 SCANS 15 TO 500
CALI: V9010424RR #3

E103040.



PROCEDURE: TCA DIAGNOSTIC REPORT 1/18/89 20:17:26
DATA FILE: V9010424RR
REFERENCE: TAB11
NAME LIST: VMASTER INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VSTDS

---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	26	6	6	1	71	VSTDS/VSURR
3	3	1	26	7	3	1	26	VSTDS/V1
3	3	1	26	11	6	2	185	VSTDS/V2
3	3	1	26	11	5	6	929	VSTDS/V3
3	3	1	26	11	4	1	1101	VSTDS/V4
3	3	1	26	12	5	1	36	VSTDS/V5

43 COMPOUNDS PROCESSED, 14 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VV	1	115	116	116	.	1	967	.	128	116	.	1
2	VV	2	273	273	273	.	1	1000	.	114	273	.	1
3	VV	3	353	352	352	.	1	991	.	117	352	.	1
4	VV	4	156	156	155	-1	1	968	.	65	155	.	1
5	VV	5	333	332	332	.	1	1000	.	98	332	.	1
6	VV	6	422	421	421	.	1	993	.	95	421	.	1
7	VV	7	22	24	.	.	.	.	.	50	22	.	1
8	VV	8	32	34	.	.	.	.	.	94	34	.	1
9	VV	9	-37	39	.	.	.	.	.	62	.	.	.
10	VV	10	48	50	.	.	.	.	.	64	.	.	.
11	VV	11	73	76	78	2	1	943	-5	49	79	1	1
12	VV	12	77	80	82	2	2	979	-1	43	82	.	1
13	VV	13	92	95	.	.	.	.	.	76	93	.	1
14	VV	14	99	102	.	.	.	.	.	101	.	.	.
15	VV	15	107	110	.	.	.	.	.	61	108	.	1
16	VV	16	127	129	.	.	.	.	.	63	127	.	1
17	VV	17	136	138	136	-2	1	993	.	61	136	.	1
18	VV	18	147	149	.	.	.	.	.	83	.	.	.
19	VV	19	157	164	.	.	.	.	.	62	.	.	.
20	VV	20	155	163	162	-1	6	991	.	43	.	.	.
21	VV	21	178	185	.	.	.	.	.	61	.	.	.
22	VV	22	183	190	.	.	.	.	.	117	.	.	.
23	VV	23	184	191	204	13	1	907	.	43	205	1	1
24	VV	24	192	198	.	.	.	.	.	83	.	.	.
25	VV	25	213	219	.	.	.	.	.	63	.	.	.
26	VV	26	217	222	.	.	.	.	.	75	.	.	.
27	VV	27	225	229	.	.	.	.	.	130	.	.	.
28	VV	28	232	236	.	.	.	.	.	78	.	.	.
29	VV	29	237	241	.	.	.	.	.	129	.	.	.
30	VV	30	237	241	.	.	.	.	.	75	.	.	.
31	VV	31	238	242	.	.	.	.	.	83	.	.	.
32	VV	32	254	258	.	.	.	.	.	63	256	.	1
33	VV	33	280	285	.	.	.	.	.	173	.	.	.
34	VV	34	286	291	304	13	1	897	.	43	303	-1	1
35	VV	35	310	310	310	.	1	991	.	43	310	.	1
36	VV	36	316	315	.	.	.	.	.	166	315	.	1
37	VV	37	316	315	.	.	.	.	.	83	.	.	.
38	VV	38	336	335	335	.	1	876	.	92	335	.	1
39	VV	39	354	353	.	.	.	.	.	112	353	.	1
40	VV	40	385	384	.	.	.	.	.	91	384	.	1
41	VV	41	441	439	.	.	.	.	.	104	440	.	1
42	VV	42	458	456	.	.	.	.	.	106	.	.	.
43	VV	43	-254	254	.	.	.	.	.	109	.	.	.

Quantitation Report File: V9010424RR

Data: V9010424RR.TI
01/18/89 19:32:00
Sample: ACETONE CONF (5ML)
Conds.: GC DESC VO
Formula: EPA METHOD 8240 Instrument: FINN Weight: 0.000
Submitted by: SEQUOIA Analyst: JJS Acct. No.: 1:100

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE (IS1)
2	1,4-DIFLUOROBENZENE (IS2)
3	CHLOROBENZENE-D5 (IS3)
4	1,2-DICHLOROETHANE-D4 (SS1)
5	TOLUENE-D8 (SS2)
6	4-BROMOFLUOROBENZENE (SS3)
7	CHLOROMETHANE (**)
8	BROMOMETHANE
9	VINYL CHLORIDE (*)
10	CHLOROETHANE
11	METHYLENE CHLORIDE
12	ACETONE
13	CARBON DISULFIDE
14	TRICHLOROFLUOROMETHANE
15	1,1-DICHLOROETHENE (*)
16	1,1-DICHLOROETHANE (**)
17	TOTAL 1,2-DICHLOROETHENE
18	CHLOROFORM (*)
19	1,2-DICHLOROETHANE
20	2-BUTANONE
21	1,1,1-TRICHLOROETHANE
22	CARBON TETRACHLORIDE
23	VINYL ACETATE
24	BROMODICHLOROMETHANE
25	1,2-DICHLOROPROPANE (*)
26	TRANS-1,3-DICHLOROPROPENE
27	TRICHLOROETHENE
28	BENZENE
29	DIBROMOCHLOROMETHANE
30	CIS-2,3-DICHLOROPROPENE
31	1,1,2-TRICHLOROETHANE
32	2-CHLOROETHYL VINYL ETHER
33	BROMOFORM (**)
34	2-HEXANONE
35	4-METHYL-2-PENTANONE
36	TETRACHLOROETHENE
37	1,1,2,2-TETRACHLOROETHANE (**)
38	TOLUENE (*)
39	CHLOROBENZENE (**)
40	ETHYL BENZENE (*)
41	STYRENE
42	TOTAL XYLENES
43	1,2-DIBROMOETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	116	5:48	1	1.000	A BB	58992.	50.000	UG/L	0.67
2	114	273	13:39	2	1.000	A BB	238873.	50.000	UG/L	0.67
3	117	352	17:36	3	1.000	A BB	182068.	50.000	UG/L	0.67
4	65	155	7:45	1	1.336	A BB	59522.	93.517	%	1.26
5	98	332	16:36	3	0.943	A BB	239056.	101.801	%	1.37
6	95	421	21:03	3	1.196	A BB	165712.	100.202	%	1.35
7	50	22	1:06	1	0.190	A BB	607.	0.509	UG/L	0.01
8	94	34	1:42	1	0.293	A BB	115.	0.078	UG/L	0.00
9	NOT	FOUND								
10	NOT	FOUND								
11	49	79	3:57	1	0.681	A BB	8765420.	3843.950	UG/L	51.73
12	43	82	4:06	1	0.707	A BB	755557.	3131.730	UG/L	42.15
13	76	93	4:39	1	0.802	A BB	3125.	0.752	UG/L	0.01
14	NOT	FOUND								
15	61	108	5:24	1	0.931	A BB	94.	0.044	UG/L	0.00
16	63	127	6:21	1	1.095	A BB	846.	0.321	UG/L	0.00
17	61	136	6:48	1	1.172	A BB	1657.	0.825	UG/L	0.01
18	NOT	FOUND								
19	NOT	FOUND								
20	NOT	FOUND								
21	NOT	FOUND								
22	NOT	FOUND								
23	43	205	10:15	2	0.751	A VB	430.	0.659	UG/L	0.01
24	NOT	FOUND								
25	NOT	FOUND								
26	NOT	FOUND								
27	NOT	FOUND								
28	NOT	FOUND								
29	NOT	FOUND								
30	NOT	FOUND								
31	NOT	FOUND								
32	63	256	12:48	2	0.938	A BB	1206.	1.366	UG/L	0.02
33	NOT	FOUND								
34	43	303	15:09	3	0.861	A BV	1080.	0.975	UG/L	0.01
35	43	310	15:30	3	0.881	A VB	2514.	3.049	UG/L	0.04
36	166	315	15:45	3	0.895	A BB	143.	0.055	UG/L	0.00
37	NOT	FOUND								
38	92	335	16:45	3	0.952	A BB	2100.	0.752	UG/L	0.01
[illegible]	112	353	17:39	3	1.003	A BB	41.	0.011	UG/L	0.00
[illegible]	91	384	19:12	3	1.091	A BV	425.	0.076	UG/L	0.00
41	104	440	22:00	3	1.250	A BB	135.	0.043	UG/L	0.00
42	NOT	FOUND								
43	NOT	FOUND								

RECEIVED
FEB 9 - 1989
HARDING LAWSON ASSOCIATES

EXTENDED DATA PACKAGE

HARDING LAWSON PROJECT I.D.	ANAMETRIX WORKORDER NUMBER
18954,003.04	8901031

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SECTION I-2.
SECTION I-3.
SECTION I-4.
SECTION I-5.
SECTION II-1.
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EXTENDED DATA PACKAGE

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2. FORM 5A - TUNING AND MASS CALIBRATION
3. FORM 6A - INITIAL CALIBRATION
4. FORM 7A - CONTINUING CALIBRATION
5. FORM 8A - INTERNAL STANDARD AREAS

SECTION II - RAW DATA

1. SAMPLE DATA - arranged in order listed on report cover letter
   a. chromatogram
   b. quantitation list
   c. priority pollutant mass spectra
   d. tentatively identified compound (TIC) spectra
2. TUNING AND MASS CALIBRATION DATA - arranged chronologically
   a. mass spectrum (bromofluorobenzene)
   b. mass listing (bromofluorobenzene)
3. INITIAL CALIBRATION DATA
   a. chromatogram
   b. quantitation list
4. CONTINUING CALIBRATION DATA - arranged chronologically
   a. chromatogram
   b. quantitation list
5. METHOD BLANK DATA - arranged chronologically
   a. chromatogram
   b. quantitation list
   c. priority pollutant mass spectra
   d. tentatively identified compound (TIC) spectra
6. MATRIX SPIKE DATA - arranged chronologically
   a. chromatogram
   b. quantitation list

SECTION III - QA/QC DOCUMENTATION

1. INTERNAL CHAIN OF CUSTODY FORMS
2. SAMPLE INJECTION LOG SEQUENCE

SECTION I-1.

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: ANAMET Contract: ~~68-W8-0041~~ 18954.003.04

Lab Code: ANAMET Case No.: SAS No.: SDG No.: 8901JC

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	VBLK1	95	98	94		0
2	8901JC05	95	98	97		0
3	8901JC06	94	97	96		0
4	8901JC15	92	94	95		0
5	8901JMS	95	98	96		0
6	8901JMSD	95	97	95		0
7	8901JC10	94	93	94		0
8	8901JC16	96	97	95		0
9	8901JC18	95	97	94		0
10	8901JC21	95	96	94		0
11	VBLK2	99	97	89		0
12	8901JC14	100	98	90		0
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
S1 (TOL) = TOLUENE-D8	(88-110)
S2 (BFB) = BROMOFLUOROBENZENE	(86-115)
S3 (DCE) = 1,2-DICHLOROETHANE-D4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-1 1/87 Rev.

SECTION I-2.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: ANAMET Contract: 18954.003.04

Lab Code: ANAMET Case No.: SAS No.: SDG No.: 8901JC

Lab File ID: 3CBFB0109 BFB Injection Date: 1/ 9/89

Instrument ID.: F3 BFB Injection Time: 7:37

Matrix: (soil/water) ~~SOIL~~ WATER Level: (low/med): LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	35.8
75	30.0 - 60.0% of mass 95	48.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	80.8
175	5.0 - 9.0% of mass 174	6.2 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	78.0 (96.5)1
177	5.0 - 9.0% of mass 176	6.5 (8.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	VSTD50		3CS0109V050	1/ 9/89	8:55
2	VSTD20		3CS0109V020	1/ 9/89	9:52
3	VSTD100		3CS0109V100	1/ 9/89	10:20
4	VSTD150		3CS0109V150	1/ 9/89	10:50
5	VSTD200		3CS0109V200	1/ 9/89	11:19
6	VBLK1	VBLK1	3CB0109V001	1/ 9/89	12:17
7	8901JC05	8901JC05	3CU01031V01	1/ 9/89	12:47
8	8901JC06	8901JC06	3CU01031V02	1/ 9/89	13:25
9	8901JC15	8901JC15	3CU01031V05	1/ 9/89	13:54
10	8901JMS	8901JC05MS	3CM01031V01	1/ 9/89	14:23
11	8901JMSD	8901JC05MSD	3CD01031V01	1/ 9/89	14:51
12	8901JC10	8901JC10	3CU01031V03	1/ 9/89	15:19
13	8901JC16	8901JC16	3CU01031V06	1/ 9/89	15:48
14	8901JC18	8901JC18	3CU01031V07	1/ 9/89	16:25
15	8901JC21	8901JC21	3CU01031V08	1/ 9/89	16:56
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: ANAMET Contract: ~~68-W8-0041~~ 18954,003.04

Lab Code: ANAMET Case No.: SAS No.: SDG No.: 8901JC

Lab File ID: 3CBFB0120A BFB Injection Date: 1/20/89

Instrument ID.: F3 BFB Injection Time: 9:47

Matrix: (soil/water) SOIL Level: (low/med): LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	36.0
75	30.0 - 60.0% of mass 95	49.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	76.7
175	5.0 - 9.0% of mass 174	6.2 (8.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	73.2 (95.4)1
177	5.0 - 9.0% of mass 176	4.4 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	VSTD50		3CS0120V050	1/20/89	10:58
2	VBLK2	VBLK2	3CB0120V00	1/20/89	11:28
3	8901JC14	8901JC14	3CU01031V04	1/20/89	13:35
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA 1/87 Rev

SECTION I-3.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ANAMET Contract: 18954,003.04

Lab Code: ANAMET Case No.: SAS No.: SDG No.: 8901JC

Instrument ID: F3 Calibration Date(s): 1/ 9/89 1/ 9/89

Matrix:(soil/water) SOIL Level:(low/med): LOW Column:(pack/cap) CAP

Min $\overline{RRF}$ for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = 3CS0109V020 RRF50 = 3CS0109V050
RRF100= 3CS0109V100 RRF150= 3CS0109V150 RRF200= 3CS0109V200

COMPOUND	RRF20	RRF50	RRF100	RRF150	RRF200	$\overline{RRF}$	% RSD
CHLOROMETHANE #	1.944	1.957	1.419	1.188	1.008	1.503	28.8#
BROMOMETHANE	1.458	1.305	1.225	1.093	1.109	1.238	12.2
VINYL CHLORIDE *	3.355	2.718	2.398	1.981	1.974	2.485	23.2*
CHLOROETHANE	1.503	1.350	1.275	1.173	1.189	1.298	10.4
METHYLENE CHLORIDE	1.705	1.699	1.579	1.492	1.631	1.621	5.5
ACETONE	3.097	1.847	1.419	1.303	1.366	1.806	41.6
CARBON DISULFIDE	5.073	5.219	4.758	4.516	4.678	4.849	6.0
1,1-DICHLOROETHENE *	1.510	1.474	1.252	1.175	1.222	1.327	11.6*
1,1-DICHLOROETHANE #	4.594	4.305	4.054	3.795	4.143	4.178	7.1#
1,2-DICHLOROETHENE (TOTAL)	1.962	1.887	1.777	1.672	1.827	1.825	6.0
CHLOROFORM *	3.826	3.593	3.507	3.316	3.674	3.583	5.3*
1,2-DICHLOROETHANE	4.131	3.836	3.725	3.565	3.858	3.823	5.4
2-BUTANONE	0.039	0.038	0.036	0.036	0.039	0.038	4.4
1,1,1-TRICHLOROETHANE	0.389	0.367	0.347	0.333	0.349	0.357	6.1
CARBON TETRACHLORIDE	0.275	0.268	0.247	0.234	0.247	0.254	6.7
VINYL ACETATE	0.283	0.338	0.323	0.293	0.276	0.303	8.9
BROMODICHLOROMETHANE	0.493	0.460	0.444	0.437	0.465	0.460	4.7
1,2-DICHLOROPROPANE *	0.436	0.396	0.384	0.370	0.390	0.395	6.3*
CIS-1,3-DICHLOROPROPENE	0.859	0.803	0.788	0.759	0.808	0.804	4.5
TRICHLOROETHENE	0.257	0.237	0.226	0.219	0.234	0.234	6.1
DIBROMOCHLOROMETHANE	0.344	0.311	0.326	0.316	0.333	0.326	4.1
1,1,2,-TRICHLOROETHANE	0.325	0.288	0.294	0.283	0.297	0.298	5.5
BENZENE	1.283	1.205	1.157	1.110	1.164	1.184	5.5
TRANS-1,3-DICHLOROPROPENE	0.455	0.437	0.424	0.414	0.433	0.433	3.5
BROMOFORM #	0.288	0.260	0.251	0.247	0.254	0.260	6.3#
4-METHYL-2-PENTANONE	0.137	0.156	0.138	0.155	0.169	0.151	9.0
2-HEXANONE	0.355	0.402	0.371	0.407	0.448	0.397	9.0
TETRACHLOROETHENE	0.170	0.184	0.155	0.158	0.170	0.167	6.9
1,1,2,2-TETRACHLOROETHANE #	0.625	0.665	0.551	0.590	0.599	0.606	7.0#
TOLUENE *	0.746	0.776	0.674	0.675	0.713	0.717	6.2*
CHLOROBENZENE #	0.874	0.792	0.742	0.707	0.726	0.768	8.7#
ETHYLBENZENE *	0.478	0.476	0.446	0.416	0.409	0.445	7.2*
STYRENE	0.970	1.040	0.914	0.933	0.987	0.969	5.1
XYLENE (TOTAL)	0.590	0.543	0.568	0.530	0.578	0.562	4.5
TOLUENE-D8	0.999	1.111	1.010	1.061	1.068	1.050	4.4
BROMOFLUOROBENZENE	0.548	0.613	0.543	0.591	0.588	0.577	5.2
1,2-DICHLOROETHANE-D4	3.764	3.755	3.852	3.859	3.913	3.829	1.8

SECTION I-4.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ANAMET Contract: ~~68-W8-0041~~ 18954,003.04

Lab Code: ANAMET Case No.: SAS No.: SDG No.: 8901JC

Instrument ID: F3 Calibration Date: 1/20/89 Time: 10:58

Lab File ID: 3CS0120V050 Init. Calib. Date(s): 1/ 9/89 1/ 9/89

Matrix: (soil/water) WATER Level: (low/med): LOW Column: (pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) is 25.0%

COMPOUND	RRF	RRF50	%D
CHLOROMETHANE #	1.503	1.373	8.6 #
BROMOMETHANE	1.238	1.293	4.5
VINYL CHLORIDE *	2.485	2.325	6.4 *
CHLOROETHANE	1.298	1.232	5.1
METHYLENE CHLORIDE	1.621	1.664	2.6
ACETONE	1.806	1.549	14.2
CARBON DISULFIDE	4.849	5.169	6.6
1,1-DICHLOROETHENE *	1.327	1.222	7.9 *
1,1-DICHLOROETHANE #	4.178	3.952	5.4 #
1,2-DICHLOROETHENE (TOTAL)	1.825	1.677	8.1
CHLOROFORM *	3.583	3.347	6.6 *
1,2-DICHLOROETHANE	3.823	3.787	1.0
2-BUTANONE	0.038	0.038	0.9
1,1,1-TRICHLOROETHANE	0.357	0.258	27.7
CARBON TETRACHLORIDE	0.254	0.174	31.5
VINYL ACETATE	0.303	0.556	83.6
BROMODICHLOROMETHANE	0.460	0.390	15.2
1,2-DICHLOROPROPANE *	0.395	0.348	11.9 *
CIS-1,3-DICHLOROPROPENE	0.804	0.675	16.0
TRICHLOROETHENE	0.234	0.183	21.7
DIBROMOCHLOROMETHANE	0.326	0.300	7.9
1,1,2,-TRICHLOROETHANE	0.298	0.273	8.4
BENZENE	1.184	0.971	17.9
TRANS-1,3-DICHLOROPROPENE	0.433	0.364	16.0
BROMOFORM #	0.260	0.253	2.8 #
4-METHYL-2-PENTANONE	0.151	0.153	1.5
2-HEXANONE	0.397	0.418	5.5
TETRACHLOROETHENE	0.167	0.136	19.0
1,1,2,2-TETRACHLOROETHANE #	0.606	0.607	0.2 #
TOLUENE *	0.717	0.605	15.6 *
CHLOROBENZENE #	0.768	0.705	8.2 #
ETHYLBENZENE *	0.445	0.356	20.0 *
STYRENE	0.969	0.901	7.0
XYLENE (TOTAL)	0.562	0.420	25.3
TOLUENE-D8	1.050	1.060	1.0
BROMOFLUOROBENZENE	0.577	0.552	4.3
1,2-DICHLOROETHANE-D4	3.829	3.955	3.3

SECTION I-5.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ANAMET Contract: 18954,003.04

Lab Code: ANAMET Case No.: SAS No.: SDG No.: 8901JC

Lab File ID (Standard): 3CS0109V050 Date Analyzed: 1/ 9/89

Instrument ID: F3 Time Analyzed: 8:55

Matrix:(soil/water) WATER Level:(low/med): LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	33092.	8.10	253346.	9.08	261973.	13.25
	UPPER LIMIT	66184.	8.60	506692.	9.58	523946.	13.75
	LOWER LIMIT	16546.	7.60	126673.	8.58	130986.	12.75
	EPA SAMPLE NO.						
1	VBLK1	21149.	8.08	157960.	9.07	172761.	13.23
2	8901JC05	20171.	8.08	152271.	9.07	166937.	13.23
3	8901JC06	19549.	8.10	148006.	9.08	165424.	13.25
4	8901JC15	19449.	8.08	142473.	9.07	163119.	13.23
5	8901JMS	19317.	8.08	145264.	9.08	159687.	13.23
6	8901JMSD	19317.	8.08	143556.	9.07	157455.	13.23
7	8901JC10	20295.	8.08	150676.	9.07	158374.	13.23
8	8901JC16	19303.	8.10	144297.	9.08	157284.	13.23
9	8901JC18	19776.	8.07	146044.	9.07	159432.	13.22
10	8901JC21	19885.	8.08	146578.	9.07	157510.	13.23
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = BROMOCHLOROMETHANE
IS2 (DFB) = 1,4-DIFLUOROBENZENE
IS3 (CBZ) = CHLOROBENZENE-D5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ANAMET Contract: ~~68-W8-0041~~ 18954,003.04

Lab Code: ANAMET Case No.: SAS No.: SDG No.: 8901JC

Lab File ID (Standard): 3CS0120V050 Date Analyzed: 1/20/89

Instrument ID: F3 Time Analyzed: 10:58

Matrix: (soil/water) WATER Level: (low/med): LOW Column: (pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	27571.	8.13	216613.	9.12	216515.	13.28
	UPPER LIMIT	55142.	8.63	433226.	9.62	433030.	13.78
	LOWER LIMIT	13785.	7.63	108306.	8.62	108257.	12.78
	EPA SAMPLE NO.						
1	VBLK2	26132.	8.13	197091.	9.12	194962.	13.28
2	8901JC14	23668.	8.13	176510.	9.12	176690.	13.28
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = BROMOCHLOROMETHANE
IS2 (DFB) = 1,4-DIFLUOROBENZENE
IS3 (CBZ) = CHLOROBENZENE-D5

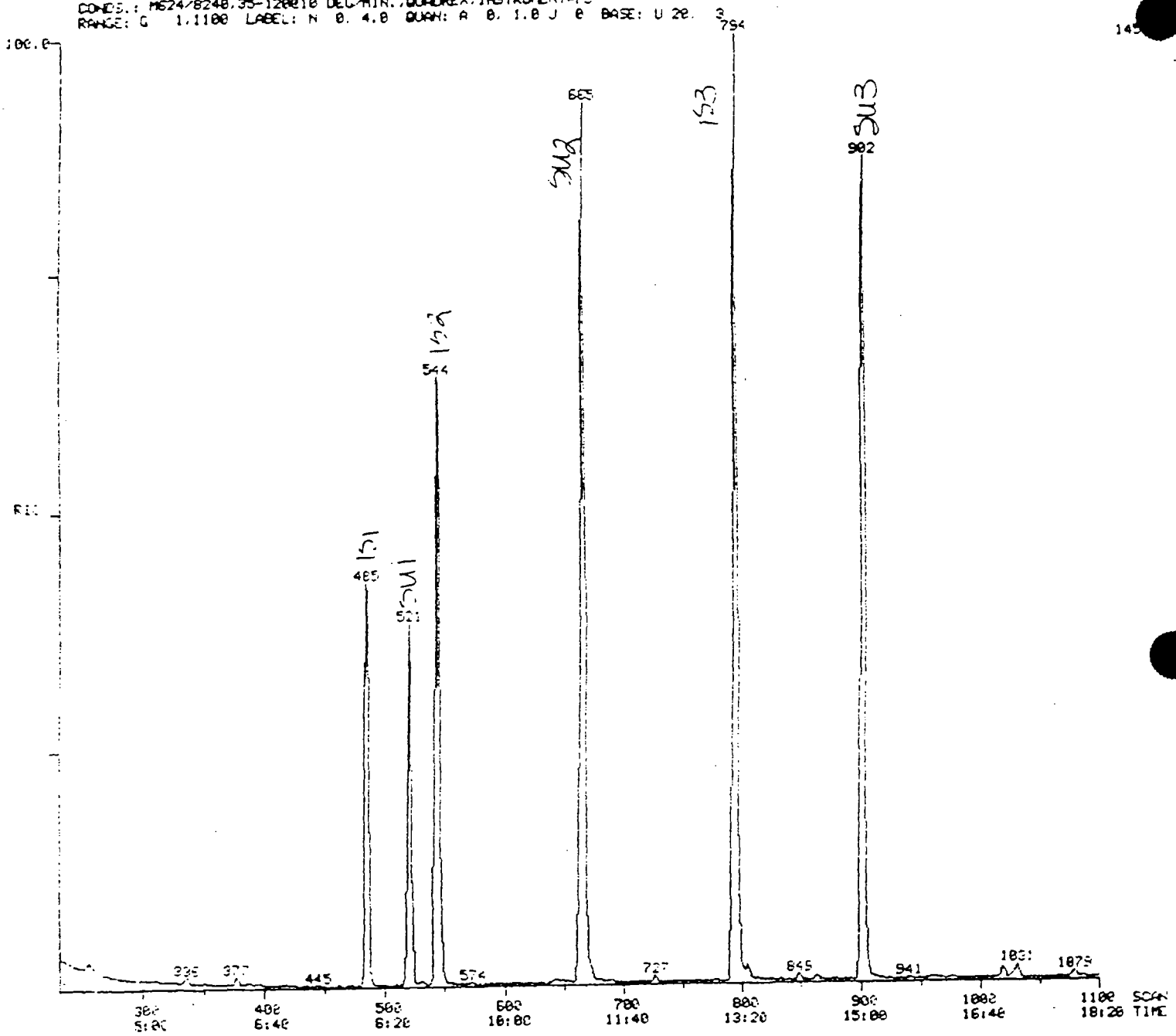
UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

SECTION II-1.

RI. 18954,003 04 DATA: 3CU01031U01 #1 SCANS 230 TO 1100
01/09/89 12:47:00 UH 1-9-89 CALI: CALTAB #2
SAMPLE: ~~18954,0300.04~~ 8901JC05
CONDS.: M624/8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1,1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: 3CU01031V01

Data: 3CU01031V01.TI
01/09/89 12:47:00 ,003.04
Sample: 18954, ~~0300.04~~ 8901JC05
Condns.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
[illegible]	CHLOROFORM	
[illegible]	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
[illegible]	XYLENE (TOTAL)	
[illegible]	1,3-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	485	8:05	1	1.000	A BB	20171.	50.000	UG/L	16.18
2	114	544	9:04	2	1.000	A BB	152271.	50.000	UG/L	16.18
3	117	794	13:14	3	1.000	A BB	166937.	50.000	UG/L	16.18
4	NOT FOUND									
5	NOT FOUND									
6	62	253	4:13	1	0.522	A BB	189.	0.172	UG/L	0.06
7	NOT FOUND									
8	84	377	6:17	1	0.777	A BB	709.	1.035	UG/L	0.33
9	43	337	5:37	1	0.695	A BB	3286.	4.409	UG/L	1.43
10	101	308	5:08	1	0.635	A BB	314.	0.402	UG/L	0.13
11	75	387	6:27	1	0.798	A BB	832.	0.395	UG/L	0.13
12	99	349	5:49	1	0.720	A BB	113.	0.190	UG/L	0.06
13	63	423	7:03	1	0.872	A BB	116.	0.066	UG/L	0.02
14	96	397	6:37	1	0.819	A BB	200.	0.263	UG/L	0.09
15	83	473	7:53	1	0.973	A BB	126.	0.087	UG/L	0.03
16	101	335	5:35	1	0.691	A BB	293.	0.547	UG/L	0.18
17	82	529	8:49	1	1.091	A?BB	52.	0.034	UG/L	0.01
18	NOT FOUND									
19	NOT FOUND									
20	117	531	8:41	2	0.958	A BB	129.	0.158	UG/L	0.05
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	75	643	10:43	1	1.182	A?BB	315.	0.129	UG/L	0.04
25	139	573	9:33	2	1.053	A BB	279.	0.387	UG/L	0.13
26	NOT FOUND									
27	NOT FOUND									
28	75	531	8:59	2	0.980	A BB	783.	0.213	UG/L	0.07
29	NOT FOUND									
30	NOT FOUND									
31	172	989	14:59	2	1.653	A BB	74.	0.093	UG/L	0.03
32	43	691	11:30	3	0.869	A?BB	232.	0.173	UG/L	0.06
33	NOT FOUND									
34	164	728	12:08	3	0.914	A BB	533.	0.868	UG/L	0.28
35	83	851	14:51	3	1.122	A BB	53.	0.024	UG/L	0.01
36	92	672	11:12	3	0.848	A BB	1794.	0.693	UG/L	0.22
37	112	799	13:18	3	1.005	A BB	1078.	0.408	UG/L	0.13
38	106	755	13:18	3	1.005	A?BV	773.	0.486	UG/L	0.16
39	104	848	14:08	3	1.068	A BB	765.	0.220	UG/L	0.07
40	106	805	13:25	3	1.014	A BB	1221.	0.674	UG/L	0.22
41	146	1019	16:59	3	1.283	A BB	1622.	0.729	UG/L	0.24
42	146	1079	17:59	3	1.359	A BB	1406.	0.669	UG/L	0.22
43	146	1031	17:11	3	1.298	A?BB	2427.	0.882	UG/L	0.29
44	65	531	8:41	1	1.074	A BB	73154.	48.295	UG/L	15.62
45	98	665	11:05	3	0.838	A BB	176267.	47.504	UG/L	15.37
46	95	902	15:02	3	1.136	A BB	100041.	48.887	UG/L	15.82

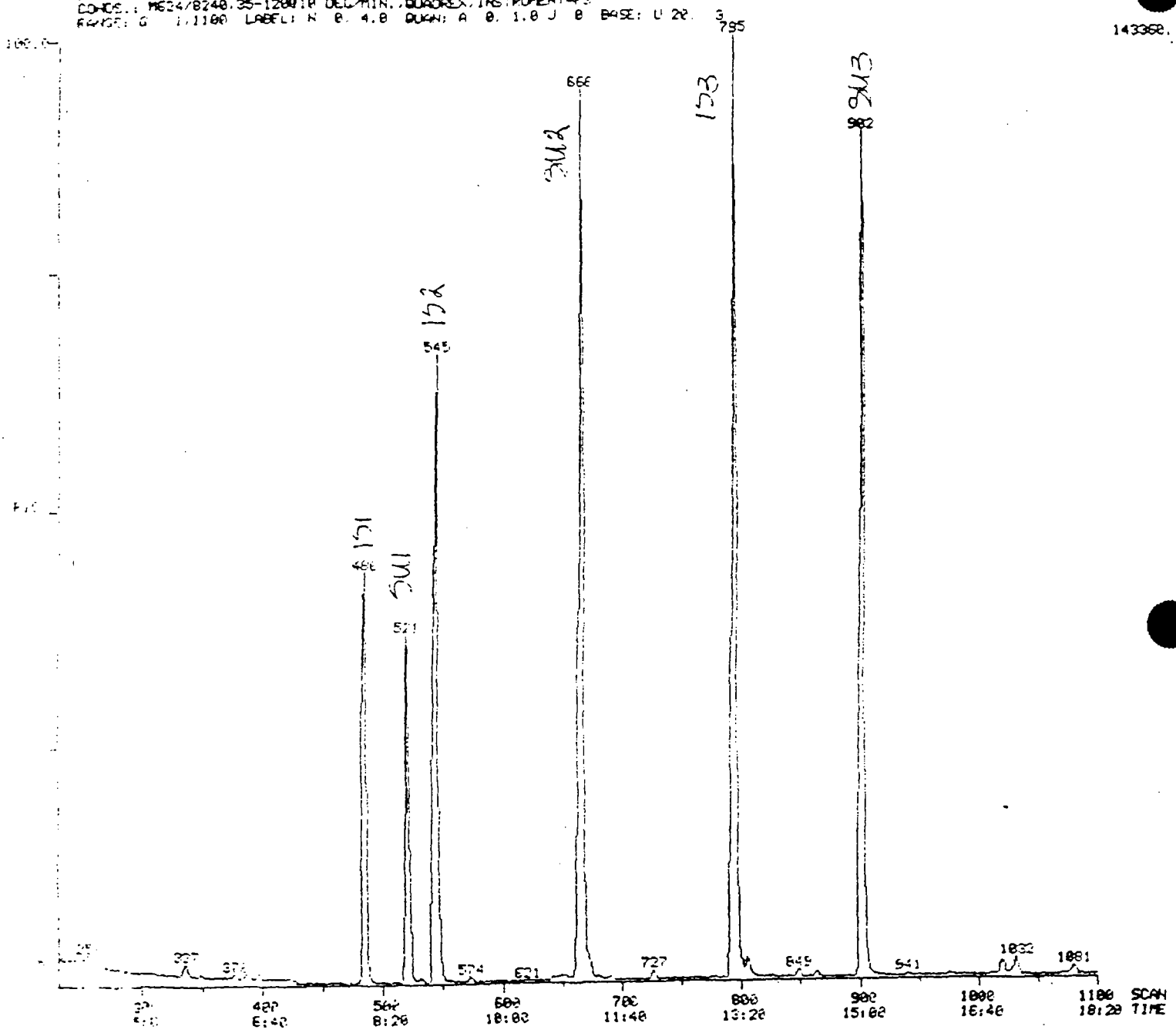
Quantitation Report File: 3CU01031V01

Data: 3CU01031V01.TI
[illegible]09/89 12:47:00 18904 003.04 [illegible] 1.9.89
Sample: ~~15554/6300.04~~ 8901JC05
Conds.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	1,2-DICHLOROETHANE-D4	(SU1)
5	TOLUENE-D8	(SU2)
6	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	20171.	50.000 UG/L	16.97
2	114	544	9:04	2	1.000	A BB	152271.	50.000 UG/L	16.97
3	117	794	13:14	3	1.000	A BB	166937.	50.000 UG/L	16.97
4	65	521	8:41	1	1.074	A BB	73154.	48.295 UG/L	16.39
5	98	665	11:05	3	0.838	A BB	176267.	47.504 UG/L	16.12
6	95	903	15:03	3	1.136	A BB	100041.	48.887 UG/L	16.59



JH 1-9-89
18954,003.04
DATA: 3CU01031U02 #1
SCANS 230 TO 1100
CALI: CALTAB #2
SAMPLE: 18954,0300.04 B901JC06
CONDS.: M624/8240.35-1200:0 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1,1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
143360.
795
666
902
545
486
521
327
376
574
621
727
849
941
1032
1081
400
6:40
500
8:20
600
10:00
700
11:40
800
13:20
900
15:00
1000
16:40
1100
18:20
SCAN
TIME

Quantitation Report File: 3CU01031V02

File: 3CU01031V02.TI
01/09/89 13:25:00 WA 04 W 19M
Sample: 16334.~~03000.64~~ B901JC0E
Conds.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: B901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fact. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
[illegible]	CHLOROFORM	
[illegible]	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
[illegible]	XYLENE (TOTAL)	
[illegible]	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	466	8:06	1	1.000	A BB	19549.	50.000 UG/L	15.82
2	114	545	9:05	2	1.000	A BB	148006.	50.000 UG/L	15.82
3	117	795	13:15	3	1.000	A BB	165424.	50.000 UG/L	15.82
4	NOT FOUND								
5	NOT FOUND								
6	62	254	4:14	1	0.523	A BB	497.	0.468 UG/L	0.15
7	NOT FOUND								
8	84	377	6:17	1	0.776	A BB	396.	0.596 UG/L	0.19
9	43	337	5:37	1	0.693	A BB	4484.	6.208 UG/L	1.96
10	101	309	5:09	1	0.636	A BB	632.	0.835 UG/L	0.26
11	76	387	6:27	1	0.796	A BB	1568.	0.768 UG/L	0.24
12	98	349	5:49	1	0.718	A BB	293.	0.509 UG/L	0.16
13	83	422	7:02	1	0.868	A BB	293.	0.174 UG/L	0.06
14	96	397	6:37	1	0.817	A BB	402.	0.545 UG/L	0.17
15	83	474	7:54	1	0.975	A BB	211.	0.150 UG/L	0.05
16	101	334	5:34	1	0.687	A?BB	718.	1.384 UG/L	0.44
17	63	522	8:42	1	1.074	A?BB	145.	0.097 UG/L	0.03
18	NOT FOUND								
19	97	501	8:21	2	0.919	A?BB	278.	0.256 UG/L	0.08
20	117	523	8:43	2	0.960	A?BB	314.	0.398 UG/L	0.13
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	75	643	10:43	2	1.180	A BB	368.	0.155 UG/L	0.05
25	131	573	9:33	2	1.051	A BB	548.	0.781 UG/L	0.25
26	NOT FOUND								
27	NOT FOUND								
28	72	533	8:53	3	0.978	A BB	1020.	0.286 UG/L	0.09
29	75	681	11:21	2	1.250	A BB	214.	0.166 UG/L	0.05
30	NOT FOUND								
31	177	901	15:01	2	1.653	A?BB	225.	0.292 UG/L	0.09
32	49	690	11:30	3	0.858	A?BB	185.	0.139 UG/L	0.04
33	NOT FOUND								
34	164	727	13:07	3	0.914	A BB	812.	1.335 UG/L	0.42
35	89	853	14:53	3	1.123	A BB	49.	0.022 UG/L	0.01
36	93	672	11:13	3	0.845	A BB	2078.	0.810 UG/L	0.26
37	112	795	13:18	3	1.004	A BB	1614.	0.616 UG/L	0.20
38	108	800	13:20	3	1.006	A?BV	1243.	0.789 UG/L	0.25
39	104	849	14:09	3	1.068	A BB	1124.	0.327 UG/L	0.10
40	106	806	13:26	3	1.014	A BB	1425.	0.793 UG/L	0.25
41	146	1020	17:00	3	1.283	A BB	2389.	1.064 UG/L	0.34
42	146	1080	18:00	3	1.358	A?BB	2010.	0.965 UG/L	0.31
43	146	1032	17:12	3	1.298	A?BB	3094.	1.134 UG/L	0.36
44	85	521	8:41	1	1.072	A BB	70767.	48.206 UG/L	15.25
45	99	666	11:06	3	0.838	A BB	173048.	47.063 UG/L	14.89
46	95	902	15:02	3	1.135	A BB	98758.	48.701 UG/L	15.41

Quantitation Report File: 3CU01031V02

Date: 3CU01031V02.TI
[illegible]/05 89 13:25:00 005.04 [illegible] 1-9-89
Sample: 18954, ~~6300.04~~ B901JC06
Conds.: M624/6240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: B901031

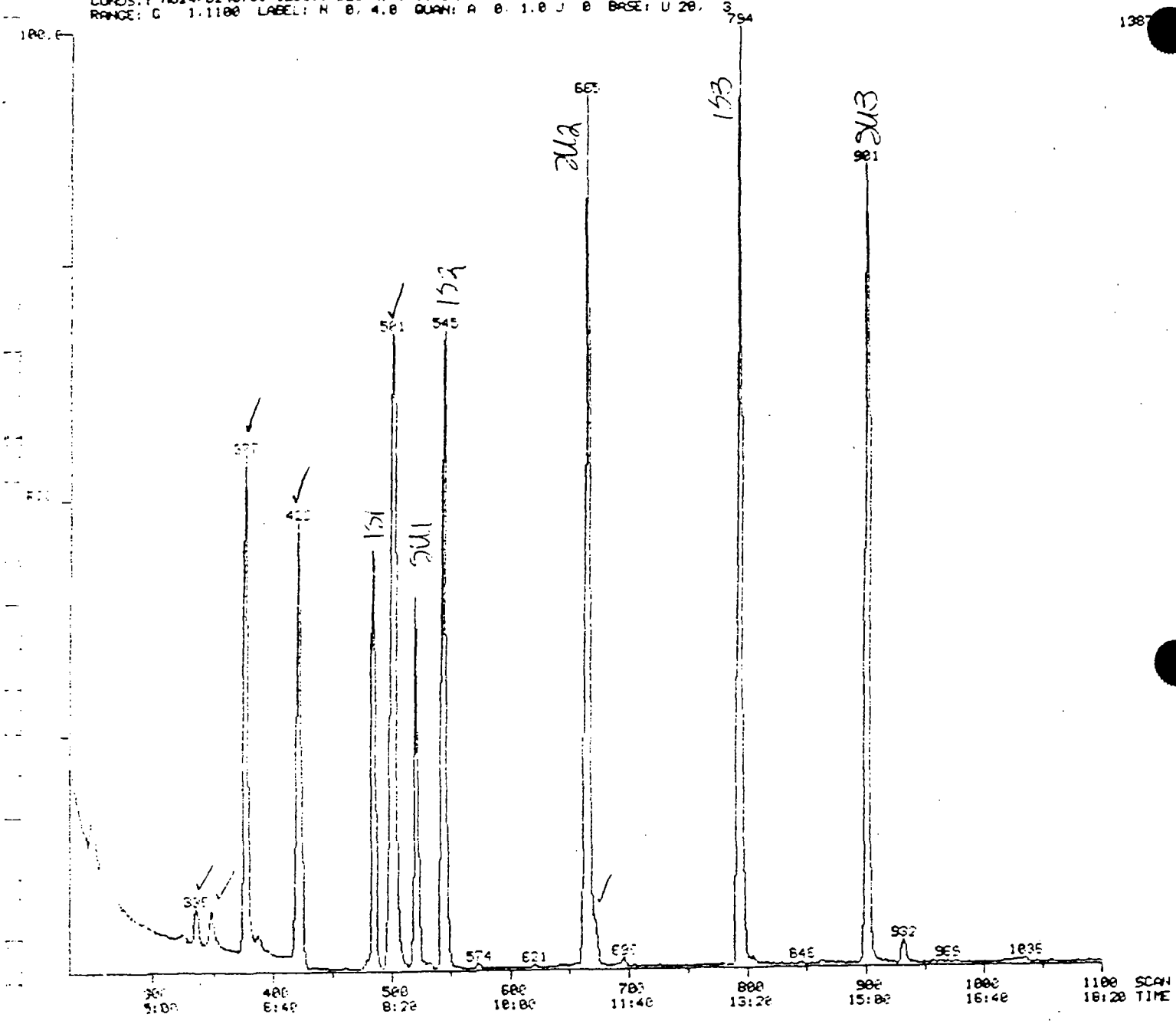
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	1,2-DICHLOROETHANE-D4	(SU1)
5	TOLUENE-D8	(SU2)
6	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	486	8:06	1	1.000	A BB	19549.	50.000 UG/L	17.01
2	114	545	9:05	2	1.000	A BB	148006.	50.000 UG/L	17.01
3	117	795	13:15	3	1.000	A BB	165424.	50.000 UG/L	17.01
4	65	521	8:41	1	1.072	A BB	70767.	48.206 UG/L	16.40
5	98	665	11:06	3	0.838	A BB	173048.	47.063 UG/L	16.01
6	95	902	15:02	3	1.135	A BB	98758.	48.701 UG/L	16.57

RIC 4-19-89
01/03/89 15:19:00 003 04
SAMPLE: 18954,~~0900.04~~ 8901JC10 1:10 DILUTION
CONDS.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1.1100 LABEL: N 0, 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20, 3

DATA: 3CU01031U03 #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3CU01031V03

Data: 3CU01031V03.TI
/09/89 15:19:00 003.04 JM 1-9-89
Sample: 18954,~~0300.04~~ 8901JC10 1:10 DILUTION
Conds.: M634/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
[illegible]	TRICHLOROTRIFLUOROETHANE	
[illegible]	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
[illegible]	1,3-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	20295.	50.000 UG/L	8.08
2	114	544	9:04	2	1.000	A BB	150676.	50.000 UG/L	8.08
3	117	794	13:14	3	1.000	A BB	158374.	50.000 UG/L	8.08
4	NOT FOUND								
5	NOT FOUND								
6	82	253	4:13	1	0.522	A?BB	1131.	1.025 UG/L	0.17
7	84	290	4:50	1	0.598	A BB	414.	0.756 UG/L	0.12
8	84	377	6:17	1	0.777	A BB	44367.	64.336 UG/L	10.40
9	43	336	5:36	1	0.693	A BB	15074.	20.104 UG/L	3.25
10	NOT FOUND								
11	78	386	6:28	1	0.800	A BB	168.	0.079 UG/L	0.01
12	98	349	5:49	1	0.720	A BB	4703.	7.862 UG/L	1.27
13	83	422	7:02	1	0.870	A BB	148134.	84.768 UG/L	13.71
14	94	397	6:37	1	0.819	A BB	172.	0.225 UG/L	0.04
15	NOT FOUND								
16	NOT FOUND								
17	83	528	8:48	1	1.089	A BB	1239.	0.798 UG/L	0.13
18	NOT FOUND								
19	97	501	8:21	2	0.921	A BB	155344.	140.594 UG/L	22.73
20	NOT FOUND								
21	43	422	7:02	2	0.776	A?BB	66.	0.065 UG/L	0.01
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	136	573	9:33	2	1.053	A BB	405.	0.567 UG/L	0.09
26	NOT FOUND								
27	97	695	11:35	2	1.278	A BB	1003.	1.154 UG/L	0.19
28	78	533	8:53	2	0.980	A BB	1549.	0.427 UG/L	0.07
29	NOT FOUND								
30	NOT FOUND								
31	176	900	15:00	2	1.654	A?BB	119.	0.152 UG/L	0.02
32	47	705	11:45	3	0.889	A?BB	170.	0.133 UG/L	0.02
33	99	631	10:31	3	0.782	A BB	138.	0.279 UG/L	0.05
34	164	727	12:07	3	0.916	A BB	236.	0.405 UG/L	0.07
35	83	903	15:03	3	1.138	A BB	59.	0.028 UG/L	-0.00
36	93	673	11:13	3	0.848	A BB	5786.	2.355 UG/L	0.38
37	110	797	13:17	3	1.004	A BB	1394.	0.556 UG/L	0.09
38	106	799	13:19	3	1.006	A?BB	131.	0.087 UG/L	0.01
39	104	848	14:08	3	1.068	A BB	121.	0.037 UG/L	0.01
40	108	804	13:24	3	1.013	A BB	471.	0.274 UG/L	0.04
41	147	1019	16:59	3	1.283	A BB	447.	0.212 UG/L	0.03
42	148	1079	17:59	3	1.359	A?BB	243.	0.122 UG/L	0.02
43	148	1030	17:10	3	1.297	A BB	733.	0.281 UG/L	0.05
44	85	521	8:41	1	1.074	A BB	71474.	46.898 UG/L	7.58
45	98	665	11:05	3	0.838	A BB	166433.	47.279 UG/L	7.64
46	97	901	15:01	3	1.135	A BB	90573.	46.653 UG/L	7.54

Quantitation Report File: 3CU01031V03

Data: 3CU01031V03.TI
01/09/89 15:19:00 003.04 01-9-89
Sample: 18554,~~0306.04~~ 8901JC10 1:10 DILUTION
Curve: MGD4/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

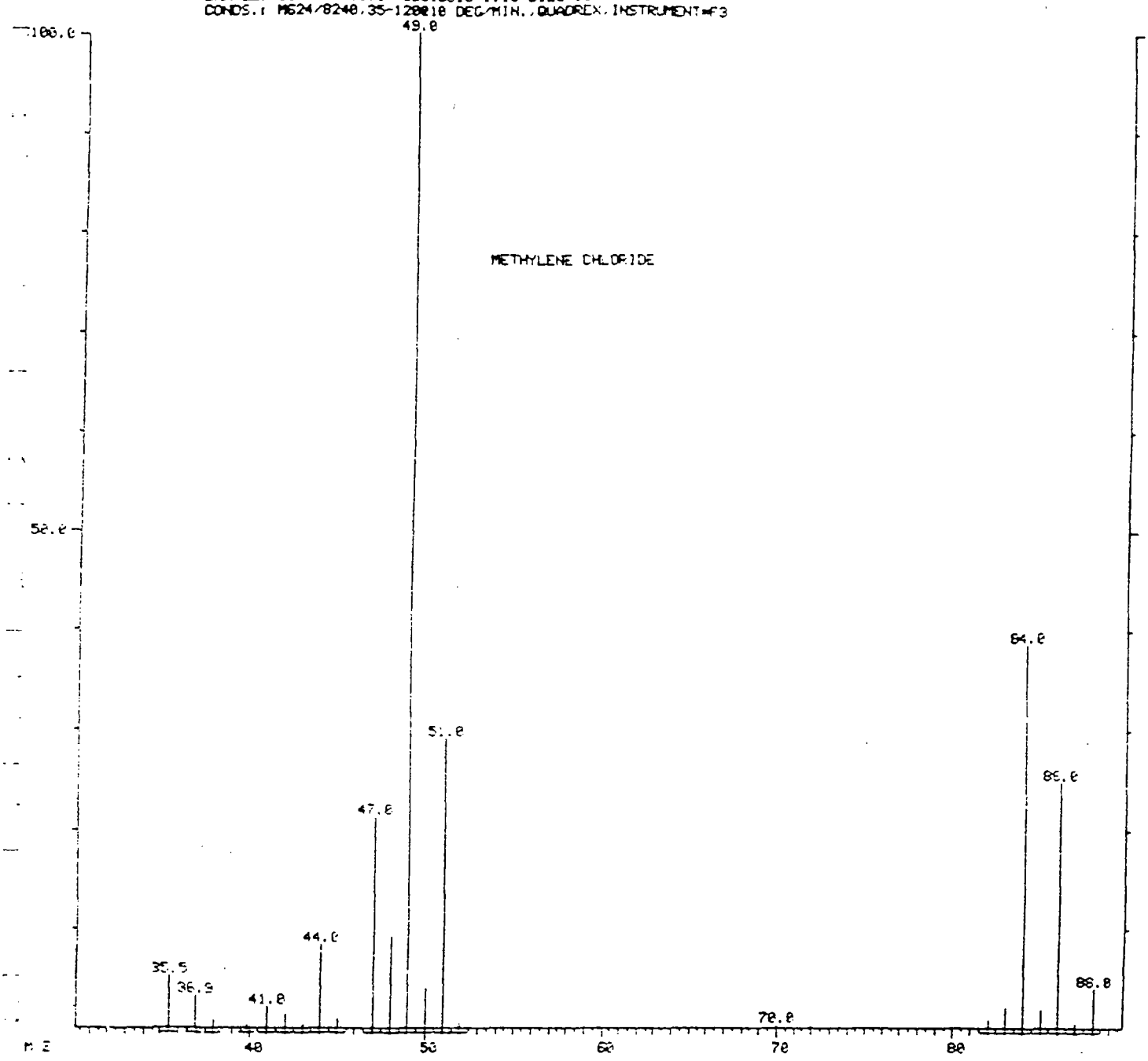
No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	METHYLENE CHLORIDE	
5	ACETONE	
6	1,1-DICHLOROETHENE	
7	1,1-DICHLOROETHANE	
8	1,1,1-TRICHLOROETHANE	
9	1,2-DICHLOROETHANE-D4	(SU1)
10	TOLUENE-D8	(SU2)
11	BROMOFLUOROBENZENE	(SU3)

No	M/Z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	485	8:05	1	1.000	A BB	20295.	50.000	UG/L	8.22
2	114	544	9:04	2	1.000	A BB	150676.	50.000	UG/L	8.22
3	117	794	13:14	3	1.000	A BB	158374.	50.000	UG/L	8.22
4	84	377	6:17	1	0.777	A BB	44367.	64.336	UG/L	10.57
5	43	336	5:36	1	0.693	A BB	15074.	20.104	UG/L	3.30
6	96	345	5:49	1	0.720	A BB	4703.	7.862	UG/L	1.29
7	63	422	7:02	1	0.870	A BB	148134.	84.768	UG/L	13.93
8	97	501	8:21	2	0.921	A BB	155344.	140.594	UG/L	23.11
9	69	521	8:41	1	1.074	A BB	71474.	46.898	UG/L	7.71
10	98	665	11:05	3	0.836	A BB	166433.	47.279	UG/L	7.77
11	95	901	15:01	3	1.135	A BB	90573.	46.653	UG/L	7.67

MASS SPECTRUM 003 04 UH 14.01
01/09/89 15:19:00 + 6:17
SAMPLE: 18954,0300.04 8901JC10 1:10 DILUTION
CONDS.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3

DATA: 3CU01031U03 0377
CALI: CALTAB #2

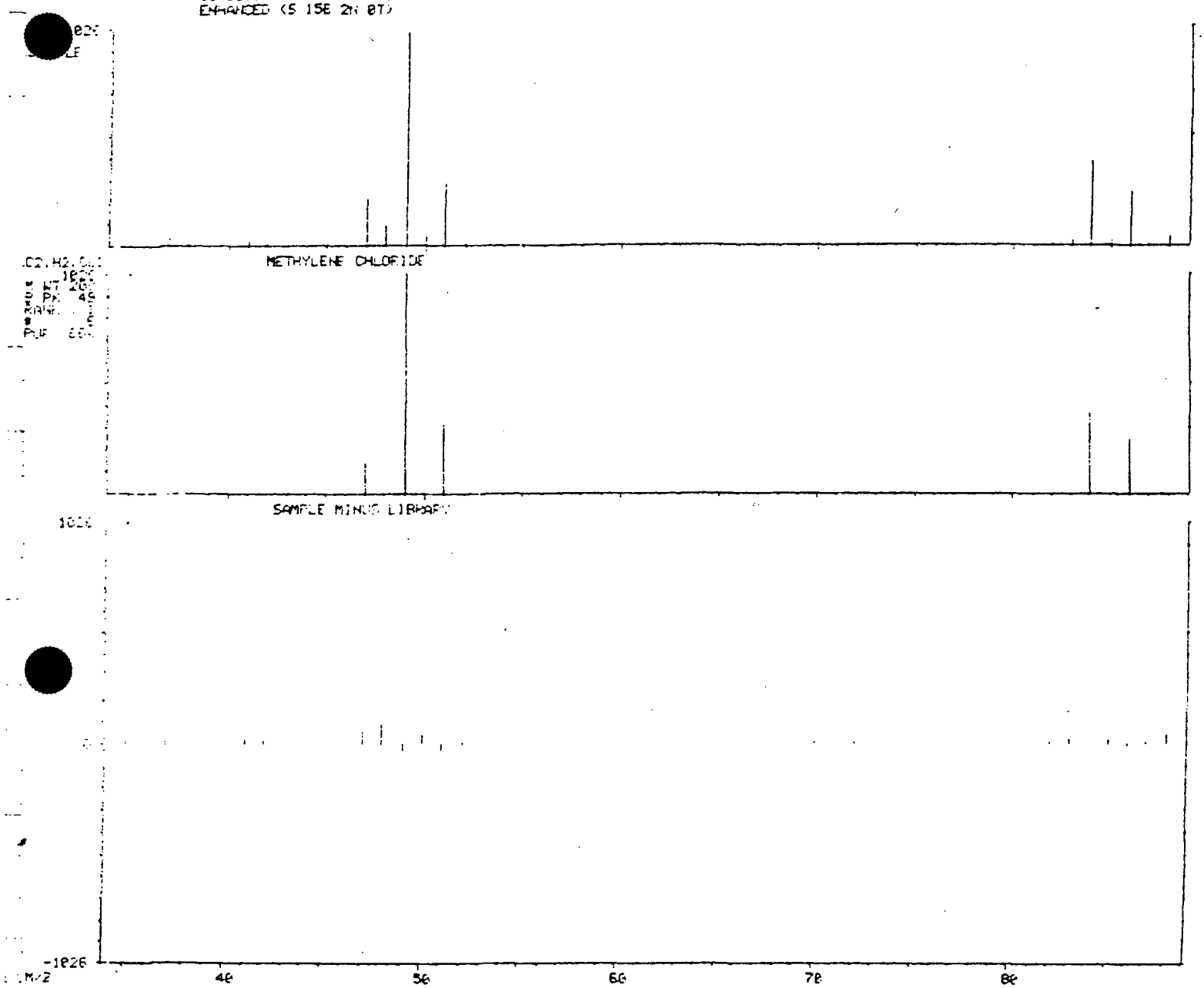
BASE M/Z: 49
RIC: 75904.



LIBRARY SEARCH 003.04 IH 14-49
01/09/89 15:19:00 + 6:17
SAMPLE: 18354.0000.04 B901JC10 1:10 DILUTION
CONDS.: MS24/8240.35-120010 DEG/MIN./QUADREX.INSTRUMENT=F3
ENHANCED (5 15E 2N 0T)

DATA: 3CU01031U03 # 377
CALI: CALTAB # 2

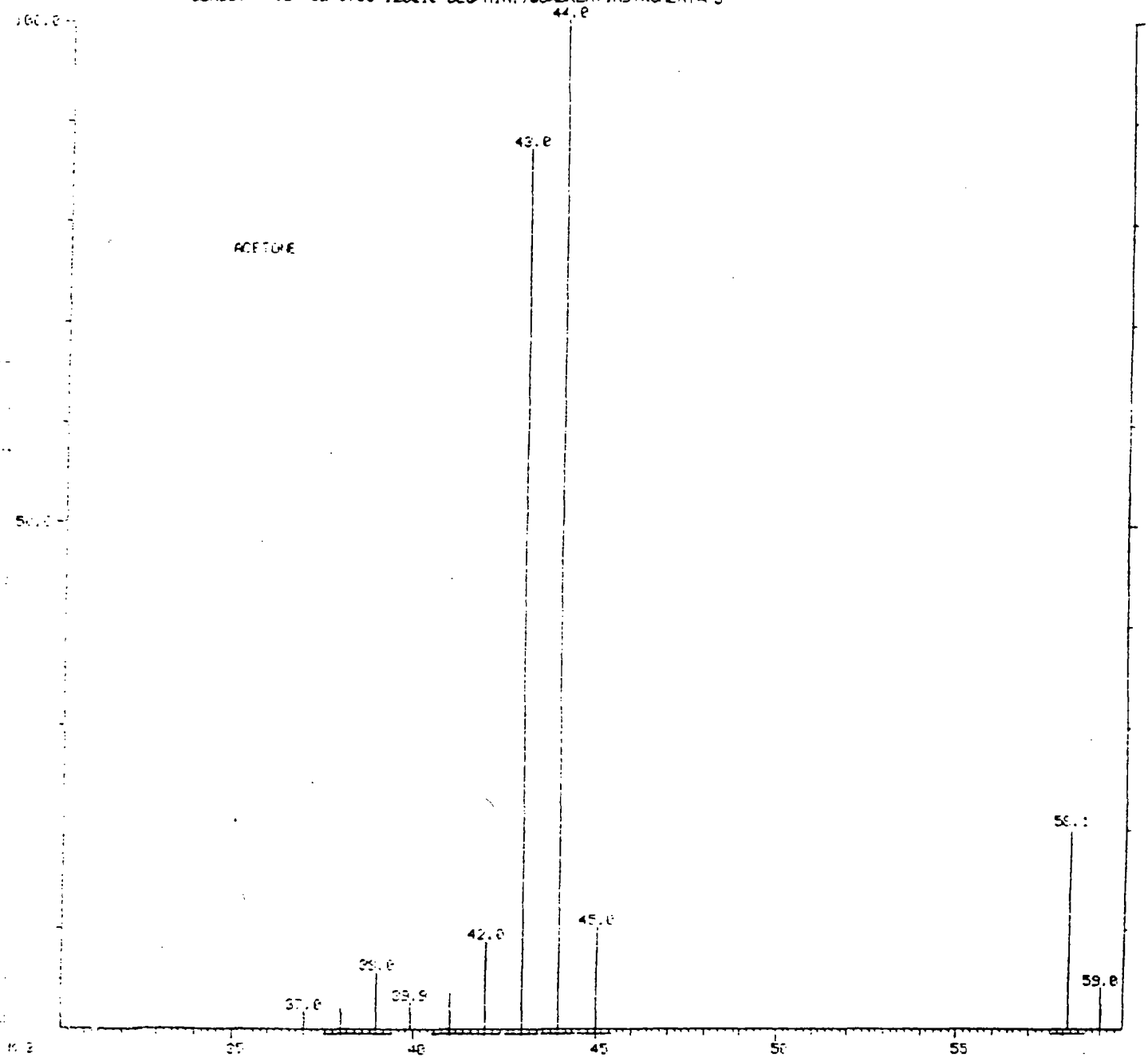
BASE M/Z: 49
RIC: 68351.



MASS SPECTRUM 003 04 LH 14-89
01/09/89 15:19:00 + 5:36
SAMPLE: 18954,8300,04 8901JC10 1:10 DILUTION
CONDS.: ME24/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3

DATA: 3CU01031U03 #336
CALI: CALTAB #2

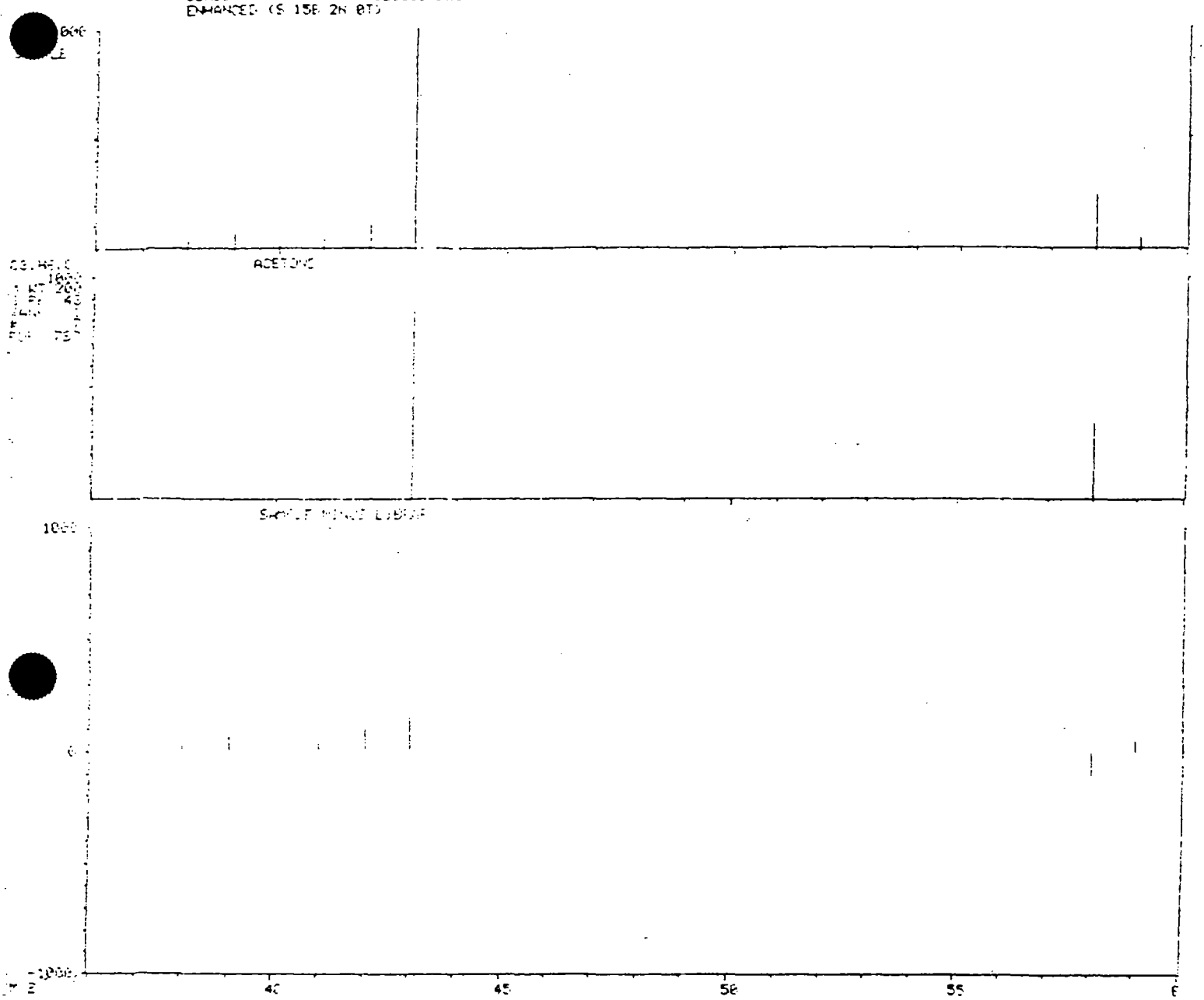
BASE M/Z: 44
RIC: 9326.



LIBRAR: SEARCH 003.04 UH 1-9-89
01-05-85 15:19:00 + 5:36
SAMPLE: 18954.0300-04 8901JC10 1:10 DILUTION
CONDS.: MB24 0240 35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
ENHANCED (S 15E 2N 0T)

DATA: 3CU01031U03 # 33E
CALI: CALTAB # 2

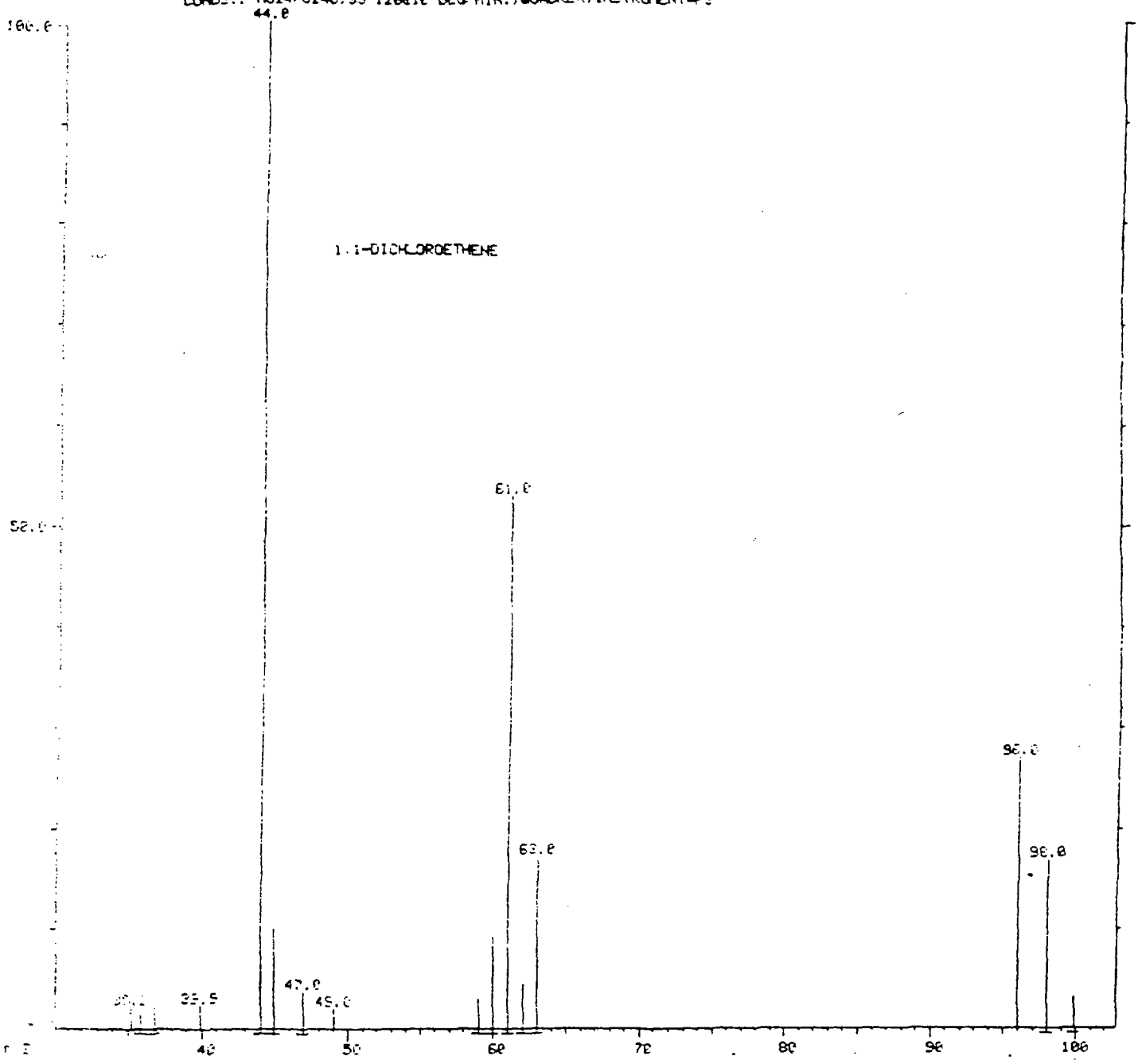
BASE M/Z: 43
RIC: 5007.



MASS SPECTRUM 609.04 UH 1-4-89
01/09/89 15:19:00 - 5:49
SAMPLE: 18954.0900-04 8901JC10 1:10 DILUTION
CONDS.: M624/8240.35-120010 DEG/MIN.,QUADREX.INSTRUMENT#3

DATA: 3CU01031U03 0349
CAL1: CALTAB #2

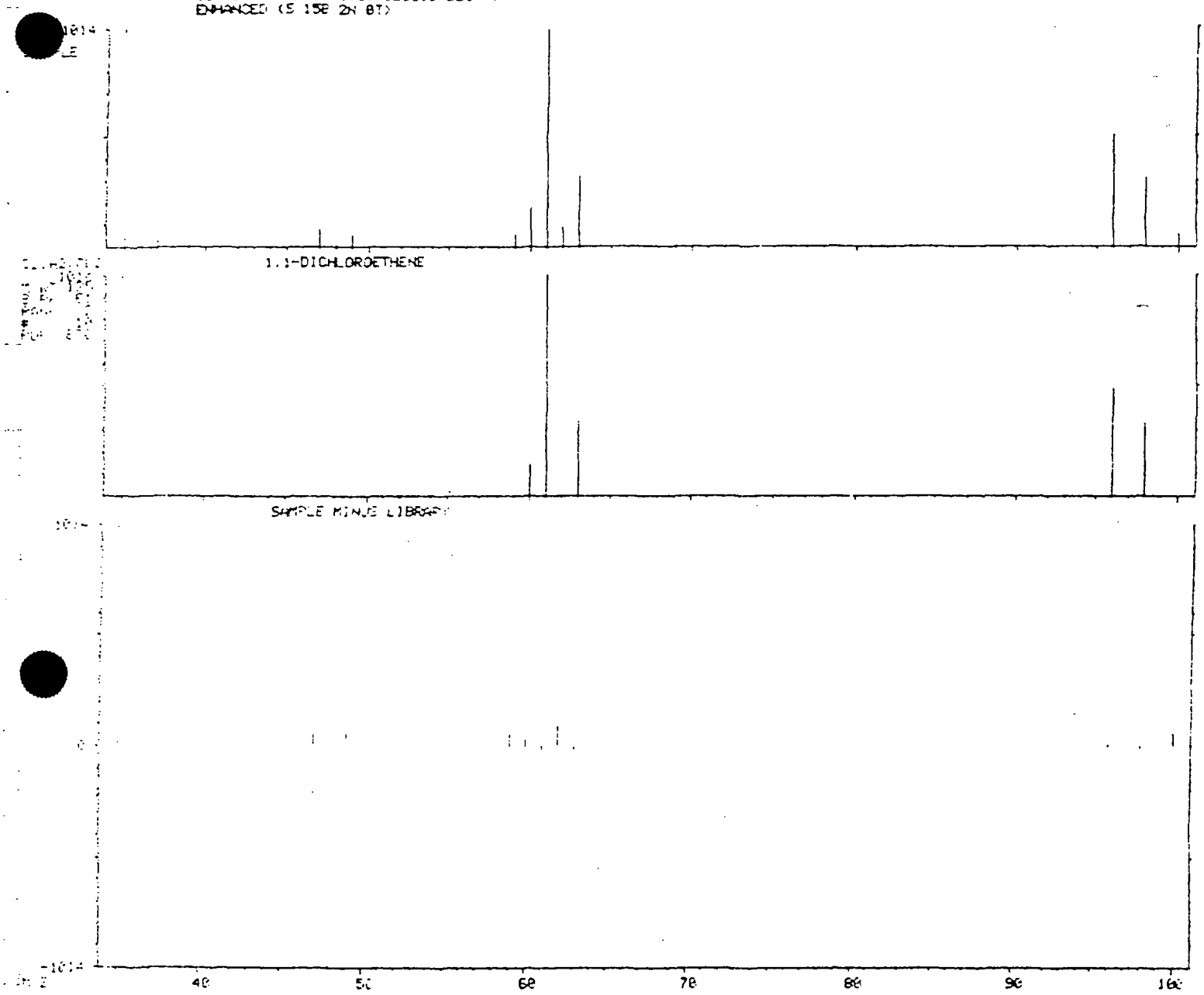
BASE M/Z: 44
RIC: 9200.



LIBRARY SEARCH 003.04 UH 1-9-89
01/05/89 15:19:00 + 5:49
SAMPLE: 18354/[redacted] 8901JC10 1:10 DILUTION
CONDS.: MG24/8240.35-120010 DEG/MIN./QUADREX/INSTRUMENT#F3
ENHANCED (5 15E 2N 8T)

DATA: 3CU01031U03 # 345
CALI: CALTAE # 2

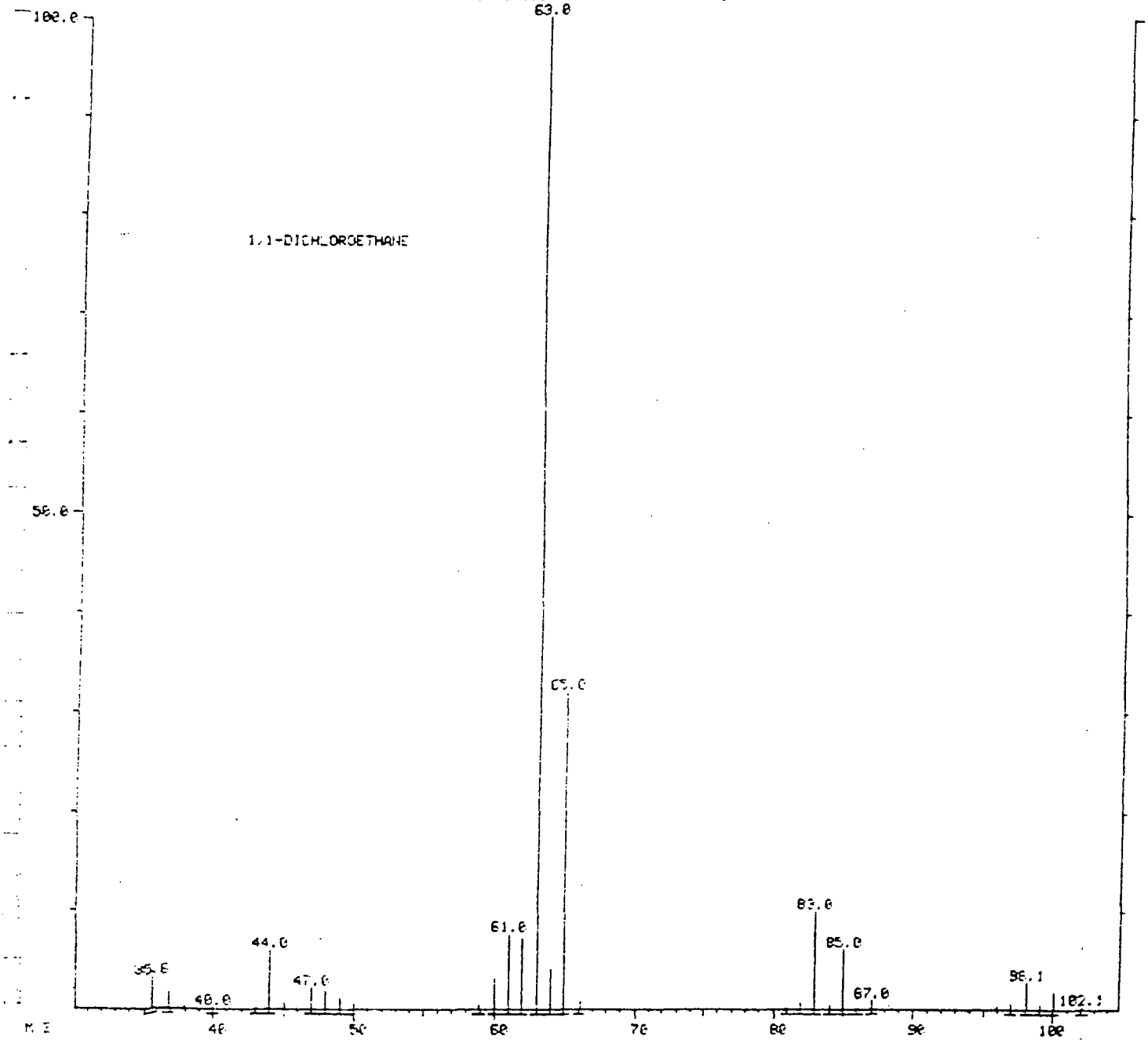
BASE M/Z: 61
RIC: 4975.



MASS SPECTRUM 003.04 W 1-9-89
01/05/89 15:19:00 + 7:02
SAMPLE: 18354,~~8000.04~~ 890:JC10 1:10 DILUTION
CONDS.: MS24/8240.35-120010 DEG/MIN.,QUADREX.INSTRUMENT#F3

DATA: 3CU01031U03 #422
CALI: CALTAB #2

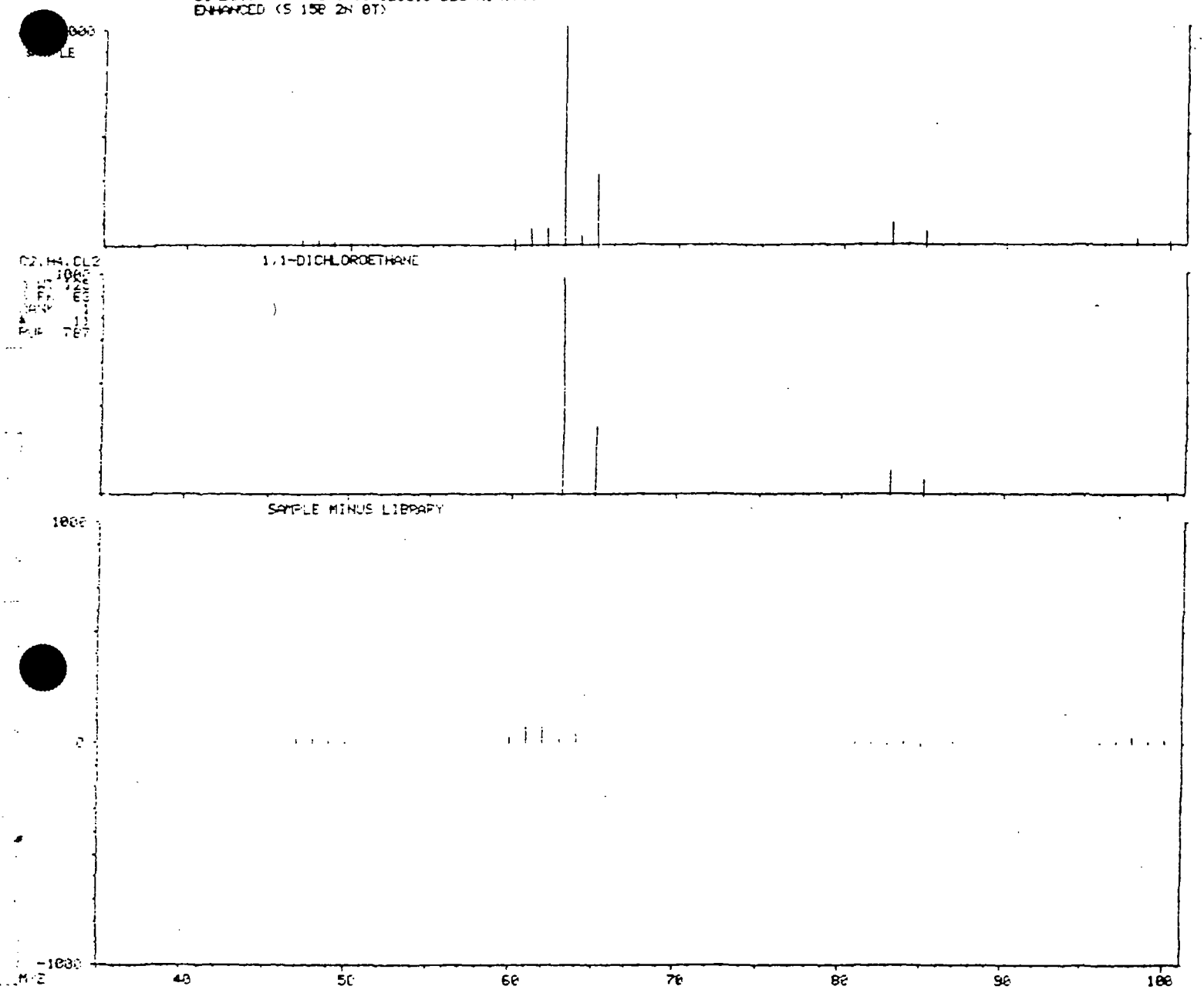
BASE M/Z: 63
RIC: 66178.



LIBRARY SEARCH 003.04 JH 1-9-89
01/09/89 15:19:00 + 7:02
SAMPLE: 18954,~~0300.04~~ 8901JC10 1:10 DILUTION
CONDS.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
ENHANCED (S 15B 2N 0T)

DATA: 3CU01031U03 # 422
CALI: CALTAB # 2

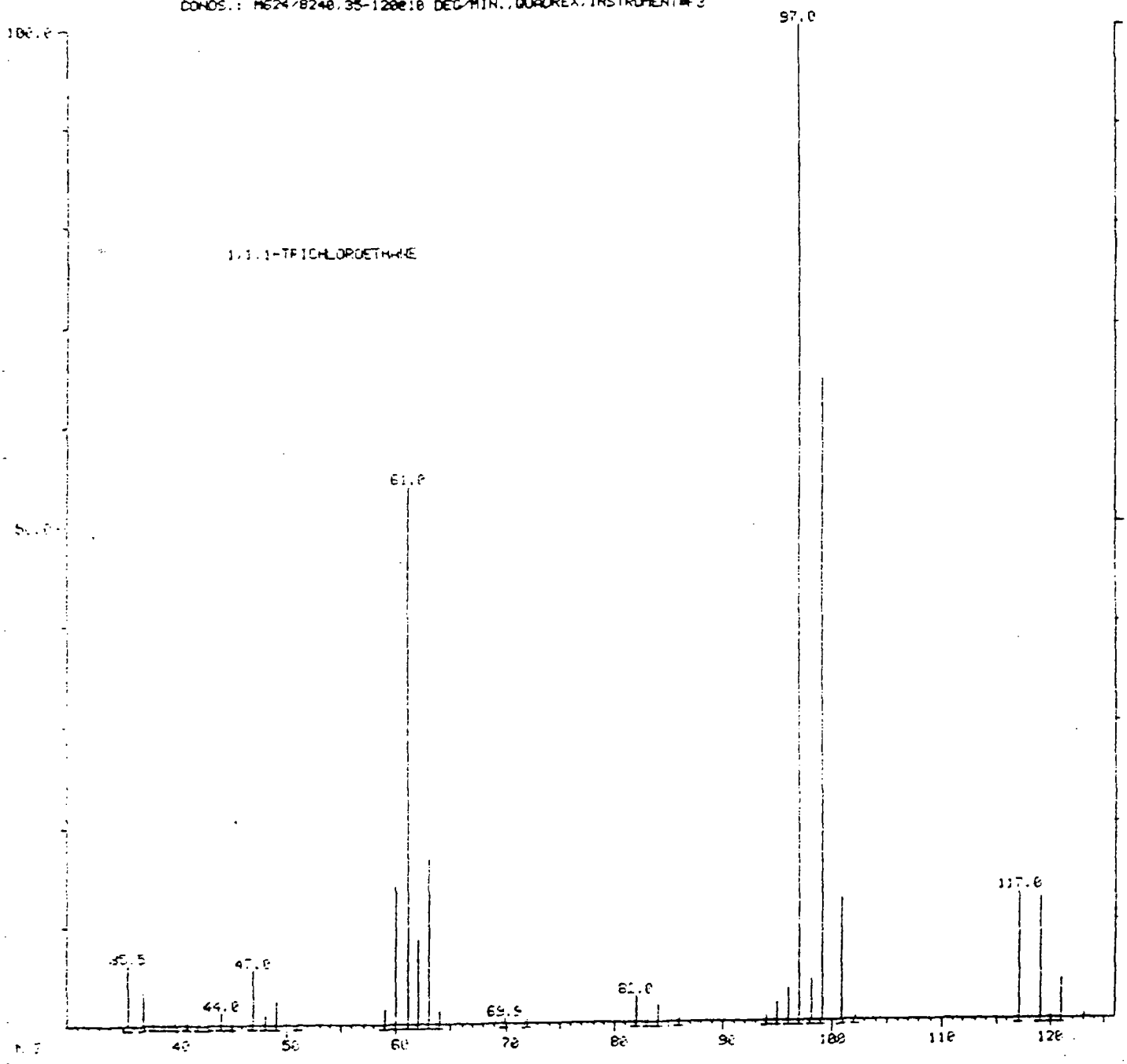
BASE M/Z: 63
RIC: 61695.



MASS SPECTRUM 003.04 LH 1-9-89
01/09/89 15:19:00 + 8:21
SAMPLE: 18954.0900.04 8901JC10 1:10 DILUTION
CONDS.: M624/8240.35-120@10 DEC/MIN.,QUAROEX.INSTRUMENT#F3

DATA: 3CU01031V03 #501
CALI: CALTAE #2

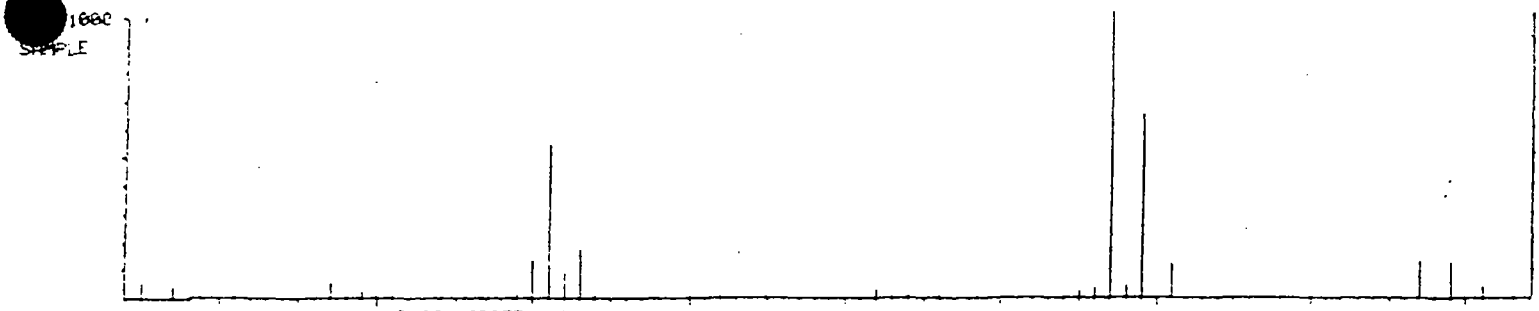
BASE M/Z: 97
RIC: 93952.



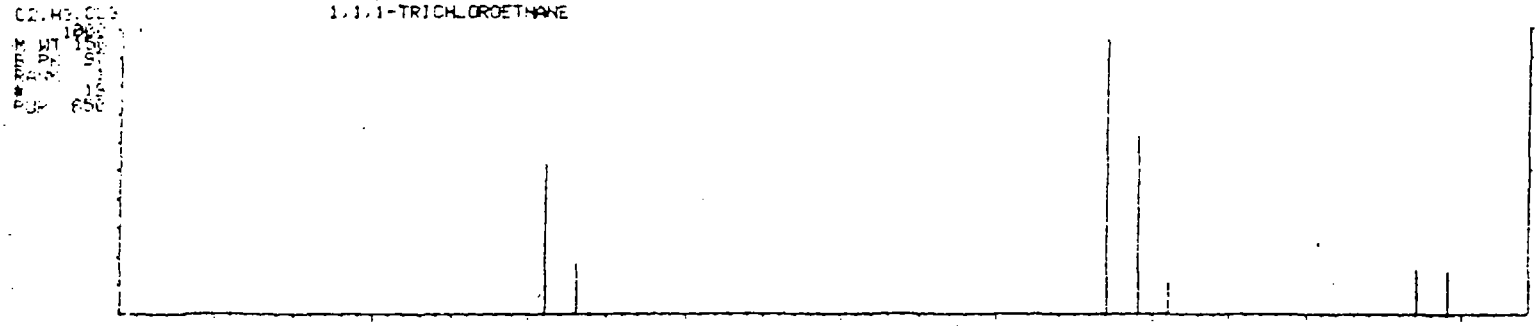
LIBRARY SEARCH 003,04 4-1-89
01/09/89 15:19:00 + 8:21
SAMPLE: 18954,0900,04 8901JC10 1:10 DILUTION
CONDS.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT#3
ENHANCED (S 156 2N 0T)

DATA: 3CU01031U03 # 501
CALI: CALTAB # 2

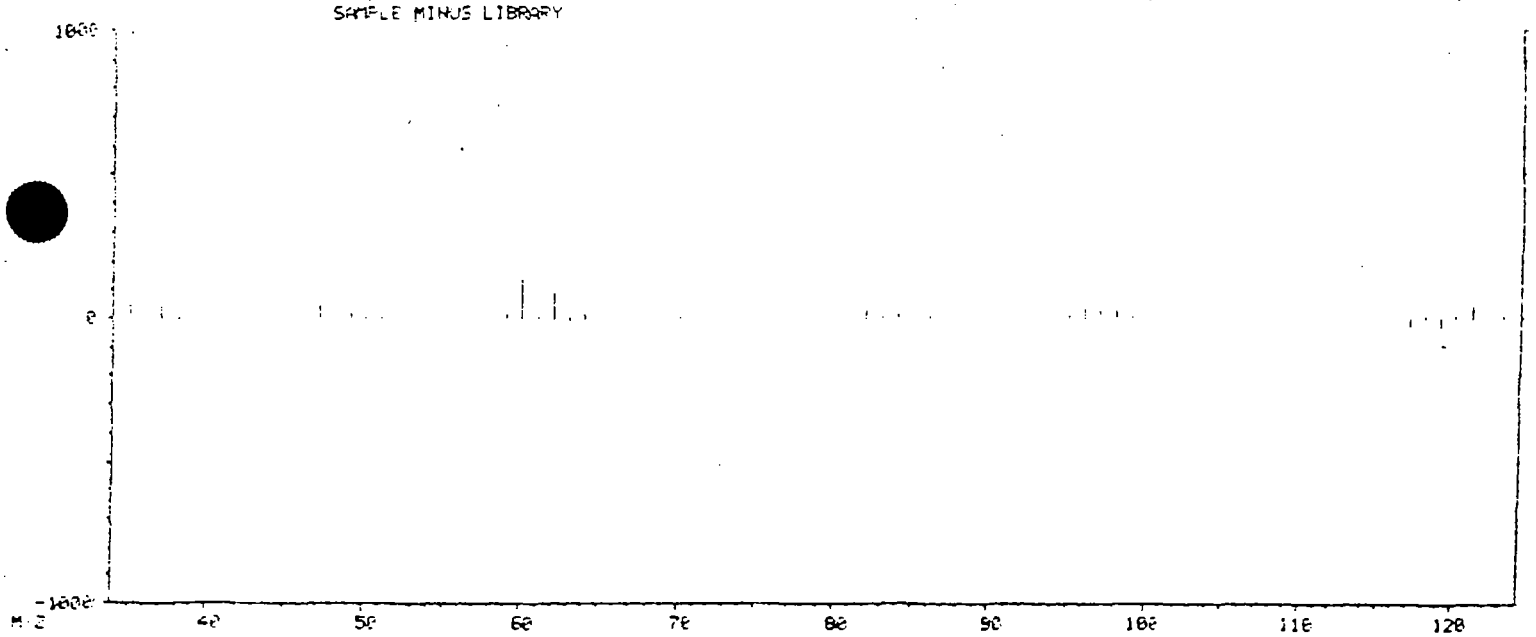
BASE M/Z: 97
RIC: 90495.



C2H3Cl3 1,1,1-TRICHLOROETHANE

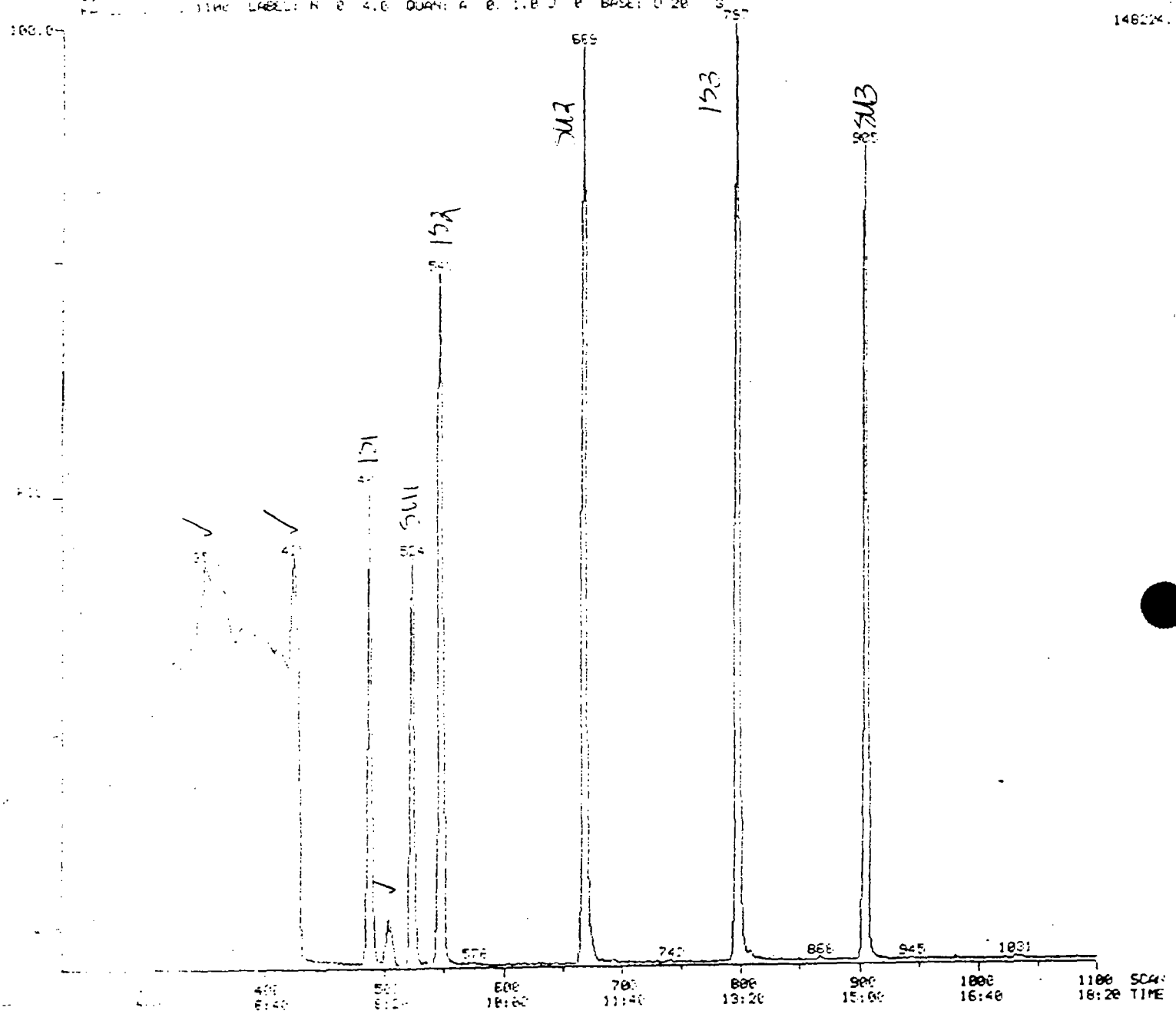


SAMPLE MINUS LIBRARY



TCH FINISHED. 10 FOUND
FINISHED AT: 1/20/89 14:28:34

DATA: 3CU01031V04 #1 SCANS 230 TO 1100
CALI: 3CU01031V04 #3



Quantitation Report File: 3CU01031V04

Data: 3CU01031V04.TI
01/30/89 13:35:00
Meth: 18904.003.04 8901JC14
Comp.: MS34 P340,QUADREX,0.53MM INSTRUMENT:F3

Formula:	Instrument: F3	Weight:	0.000
Submitted by: ALA	Analyst: LM	Acct. No.:	BS01031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No.	Name
1	(IS1) BROMOCHLOROMETHANE
2	CHLOROMETHANE
3	VINYL CHLORIDE
4	BROMOMETHANE
5	CHLOROETHANE
6	TRICHLOROFLUOROMETHANE
7	1,1-DICHLOROETHENE
8	TRICHLOROTRIFLUOROETHANE
9	ACETONE
10	CARBONDISULFIDE
11	METHYLENE CHLORIDE
12	TRANS-1,2-DICHLOROETHENE
13	1,1-DICHLOROETHANE
14	2-BUTANONE
15	CIS-1,2-DICHLOROETHENE
16	CHLOROFORM
17	1,2,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	(SU1) SURROGATE D4-1,2-DICHLOROETHANE
20	(IS2) 1,4-DIFLUOROBENZENE
21	BENZENE
22	1,2-DICHLOROETHANE
23	TRICHLOROETHENE
24	1,2-DICHLOROPROPANE
25	BROMODICHLOROMETHANE
26	2-CHLOROETHYLVINYL ETHER
27	VINYL ACETATE
28	CIS-1,3-DICHLOROPROPENE
29	4-METHYL-2-PENTANONE
30	TOLUENE
31	(SU2) SURROGATE TOLUENE-D8
32	(IS3) CHLOROBENZENE-D5
33	TRANS-1,3-DICHLOROPROPENE
34	1,1,2,-TRICHLOROETHANE
35	TETRACHLOROETHENE
36	2-HEXANONE
37	DIBROMOCHLOROMETHANE
38	CHLOROBENZENE
39	ETHYLBENZENE
40	TOTAL XYLENES
41	STYRENE
42	BROMOFORM
43	1,1,2,2-TETRACHLOROETHANE
44	1,3-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	1,2-DICHLOROBENZENE
47	(SU3) SURROGATE P-BROMOFLUOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	129	488	8:08	1	1.000	A BB	23668.	50.000 UG/L	10.31
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	98	371	5:51	1	0.719	A BB	3838.	6.931 UG/L	1.43
8	101	339	5:39	1	0.693	A BB	1389.	2.691 UG/L	0.56
9	NOT FOUND								
10	76	399	6:30	1	0.799	A BB	315.	0.129 UG/L	0.03
11	84	381	6:20	1	0.779	A BB	1269.	1.611 UG/L	0.33
12	NOT FOUND								
13	53	439	7:05	1	0.871	A BB	37128.	19.861 UG/L	4.10
14	43	447	7:23	1	0.918	A BB	552.	0.541 UG/L	0.11
15	NOT FOUND								
16	NOT FOUND								
17	97	502	8:24	1	1.033	A BB	11874.	13.372 UG/L	2.55
18	NOT FOUND								
19	55	524	8:44	1	1.074	A BB	83914.	90.608 %	18.69
20	114	541	9:07	20	1.000	A BB	176510.	50.000 UG/L	10.31
21	79	534	8:56	20	0.981	A BB	457.	0.133 UG/L	0.03
22	NOT FOUND								
23	134	571	9:36	20	1.053	A BB	176.	0.272 UG/L	0.06
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	93	677	11:15	20	1.234	A BB	2166.	1.020 UG/L	0.21
31	91	679	11:09	20	1.221	A BB	188819.	99.837 %	20.60
32	117	797	13:17	32	1.000	A BB	176690.	50.000 UG/L	10.31
33	NOT FOUND								
34	NOT FOUND								
35	101	751	12:10	32	0.916	A BB	110.	0.239 UG/L	0.05
36	NOT FOUND								
37	NOT FOUND								
38	112	811	13:21	32	1.005	A BB	372.	0.149 UG/L	0.03
39	106	809	13:23	32	1.008	A BB	174.	0.138 UG/L	0.03
40	111	817	13:29	32	1.015	A BB	321.	0.216 UG/L	0.04
41	104	871	14:11	32	1.068	A BB	110.	0.035 UG/L	0.01
42	NOT FOUND								
43	NOT FOUND								
44	149	1039	17:03	32	1.264	A BB	377.	0.177 UG/L	0.04
45	148	1045	17:15	32	1.299	A BB	443.	0.158 UG/L	0.03
46	140	1082	18:04	32	1.360	A BB	202.	0.097 UG/L	0.02
47	91	905	15:05	32	1.136	A BB	95124.	97.683 %	20.14

TCA FINISHED, 14 FOUND
FINISHED AT: 1/20/89 14:15:13
Quantitation Report File: 3CU01031V04

[illegible]: 3CU01031V04.TI
[illegible] 20 89 13:35:00
Sample: 18954.003.04 8901J014
Conds.: M624/8240,QUADREX,0.53MM INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT LAST = REF AMNT/(REF AREA * RESP FACT)
Resp. Fac. from Library Entry

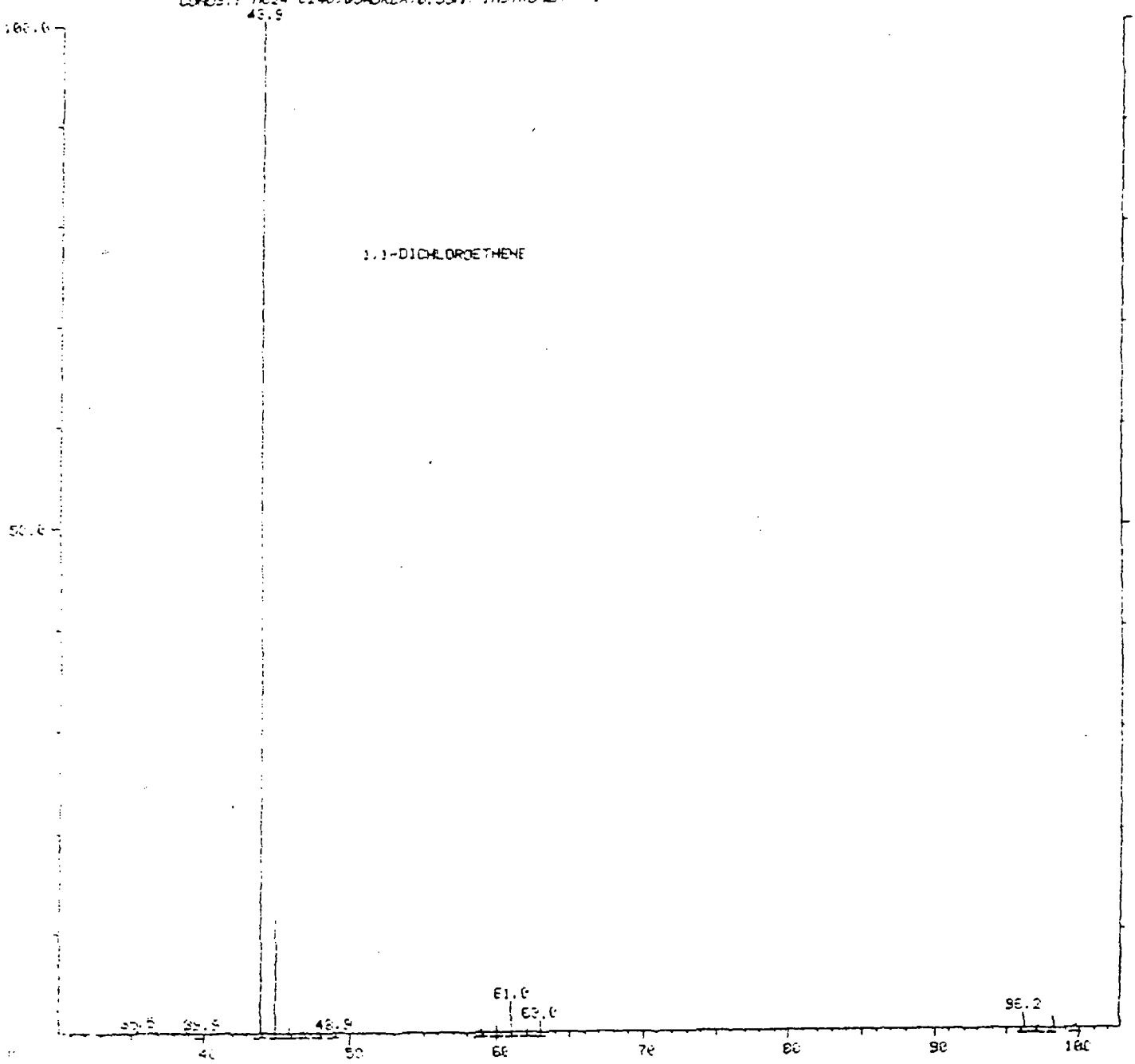
No	Name		
	[illegible]		BROMOCHLOROMETHANE
2	[illegible]		1,4-DIFLUOROBENZENE
	[illegible]		CHLOROBENZENE-D5
4	[illegible]	SURROGATE	D4-1,2-DICHLOROETHANE
5	[illegible]	SURROGATE	TOLUENE-D8
6	[illegible]	SURROGATE	P-BROMOFLUOROBENZENE
7	[illegible]-DICHLOROETHENE		
8	[illegible]-DICHLOROETHANE		
9	[illegible]-TRICHLOROETHANE		

No	[illegible]	Span	Time	Ref	RRT	Meth	Area(Hgt)	Amount		%Tot	
1	[illegible]	[illegible]	[illegible]	1	1.000	A BB	23669.	50.000	UG/L	10.47	
2	[illegible]	[illegible]	[illegible]	2	1.000	A BB	176510.	50.000	UG/L	10.47	
3	[illegible]	[illegible]	13:17	3	1.000	A BB	176690.	50.000	UG/L	10.47	
4	[illegible]	[illegible]	[illegible]	1	1.074	A BV	83914.	90.608	%	18.98	
5	[illegible]	[illegible]	[illegible]	2	1.221	A BB	186919.	99.897	%	20.93	
6	[illegible]	[illegible]	[illegible]	3	1.136	A BB	95124.	97.693	%	20.46	
7	[illegible]	[illegible]	[illegible]	1	0.713	A BB	3823.	6.931	UG/L	1.45	NET 7
8	[illegible]	[illegible]	[illegible]	1	0.871	A BB	37128.	19.861	UG/L	4.16	NET 20
9	[illegible]	[illegible]	9:24	1	1.033	A BB	11870.	12.372	UG/L	2.59	NET 12

MASS SPECTRUM
01/20/89 13:35:00 + 5:51
SAMPLE: 18954.003.04 8901JC14
CONDS.: M624/8240.QUADREX.0.53MM INSTRUMENT#F3

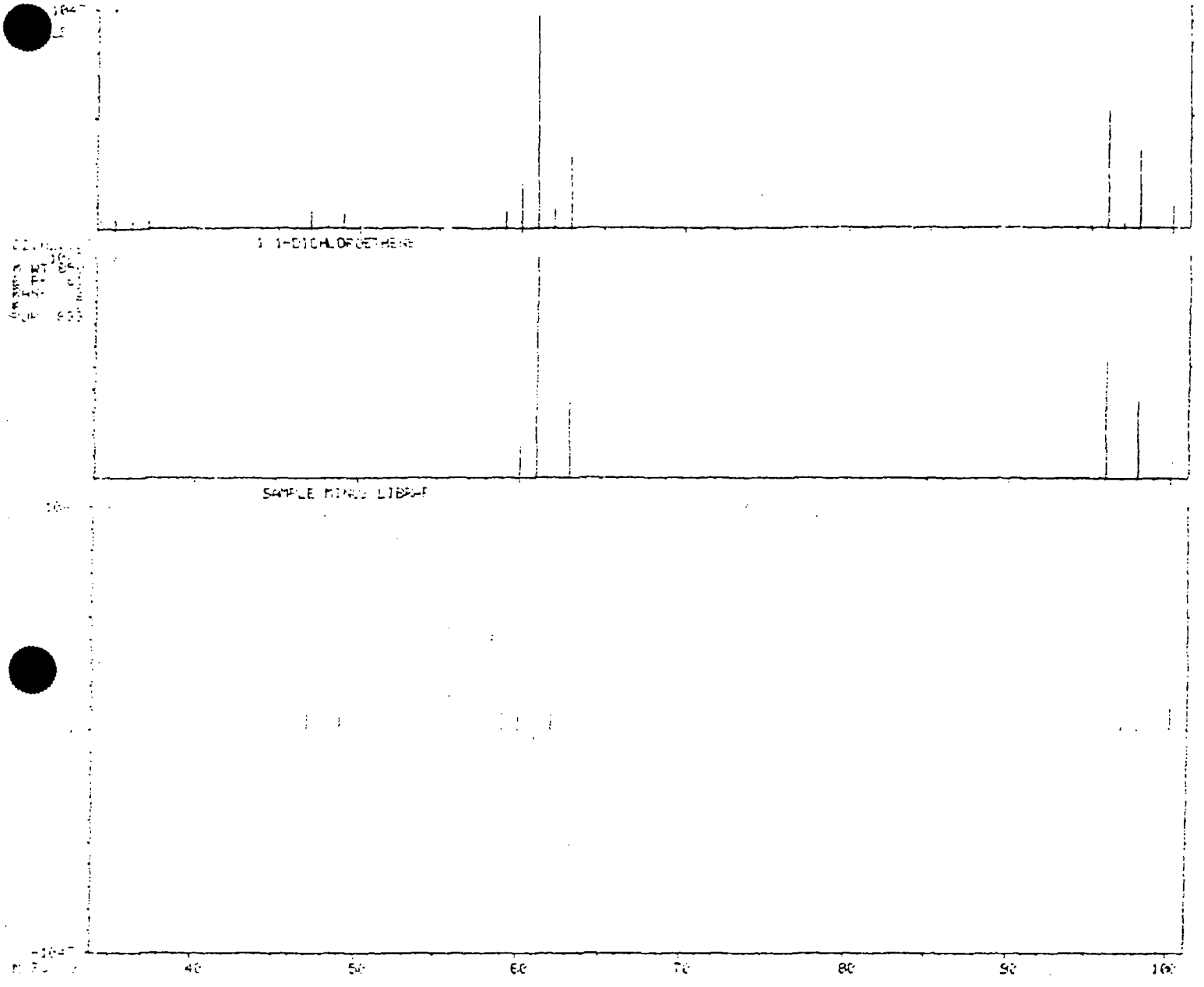
DATA: 3CU01031V04 #351
CALI: 3CU01031V04 #3

BASE M/Z: 44
RIC: 63672.



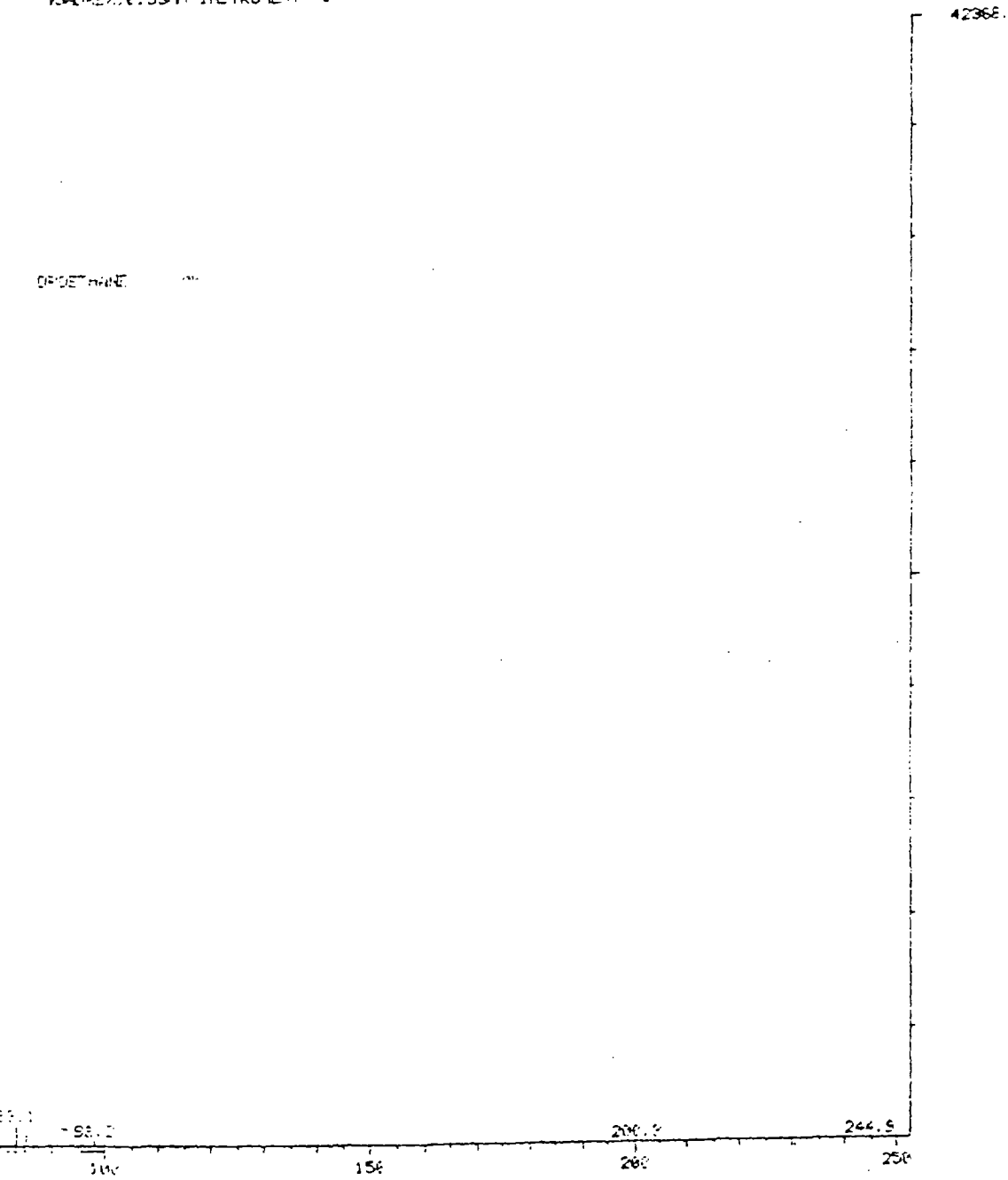
LIBRARY SEARCH
01/20/89 13:35:00 + 5:51
SAMPLE: 18954.003.04 890:JC14
CONDS.: M624/8240.QUADREX,0.53MM INSTRUMENT=F3
ENHANCED (S 15E 2N 0T)

DATA: 3CU01031U04 # 351 BASE M/Z: 61
CALI: 3CU01031U04 # 3 RIC: 4631.



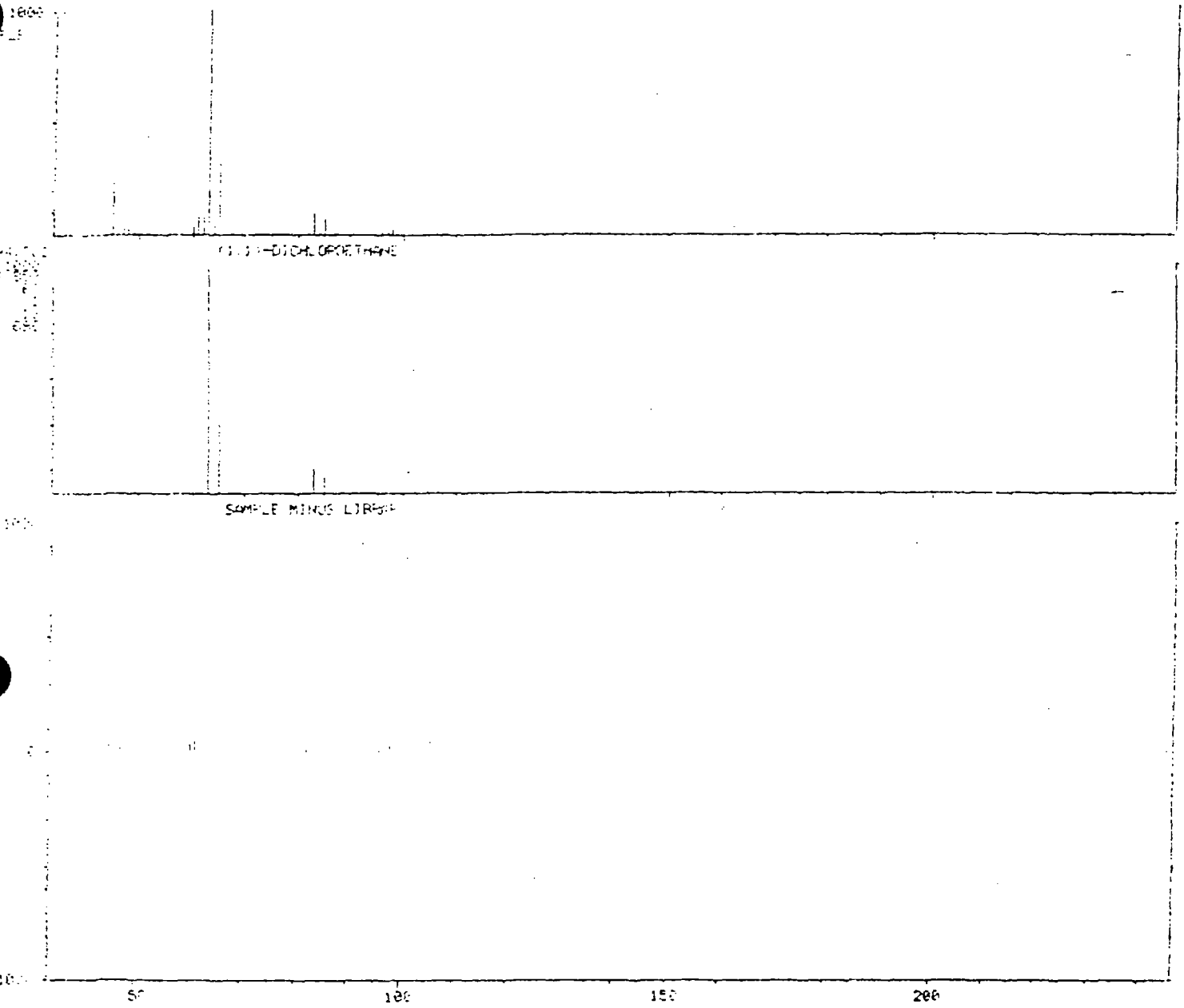
DATA: 3CU01031U04 #425 BASE M/Z: 44
CALI: 3CU01031U04 #3 RIC: 64766.

7:05
14 8901JC14
XAOREX,0.53MM INSTRUMENT=F3



LIBRARY SEARCH
01/20/89 13:35:00 + 7:05
SAMPLE: 18954.003.04 8901JC14
CONDS.: MS24/8240,QUADREX,0.53MM INSTRUMENT=F1
ENHANCED (S 15E 2N 0T)

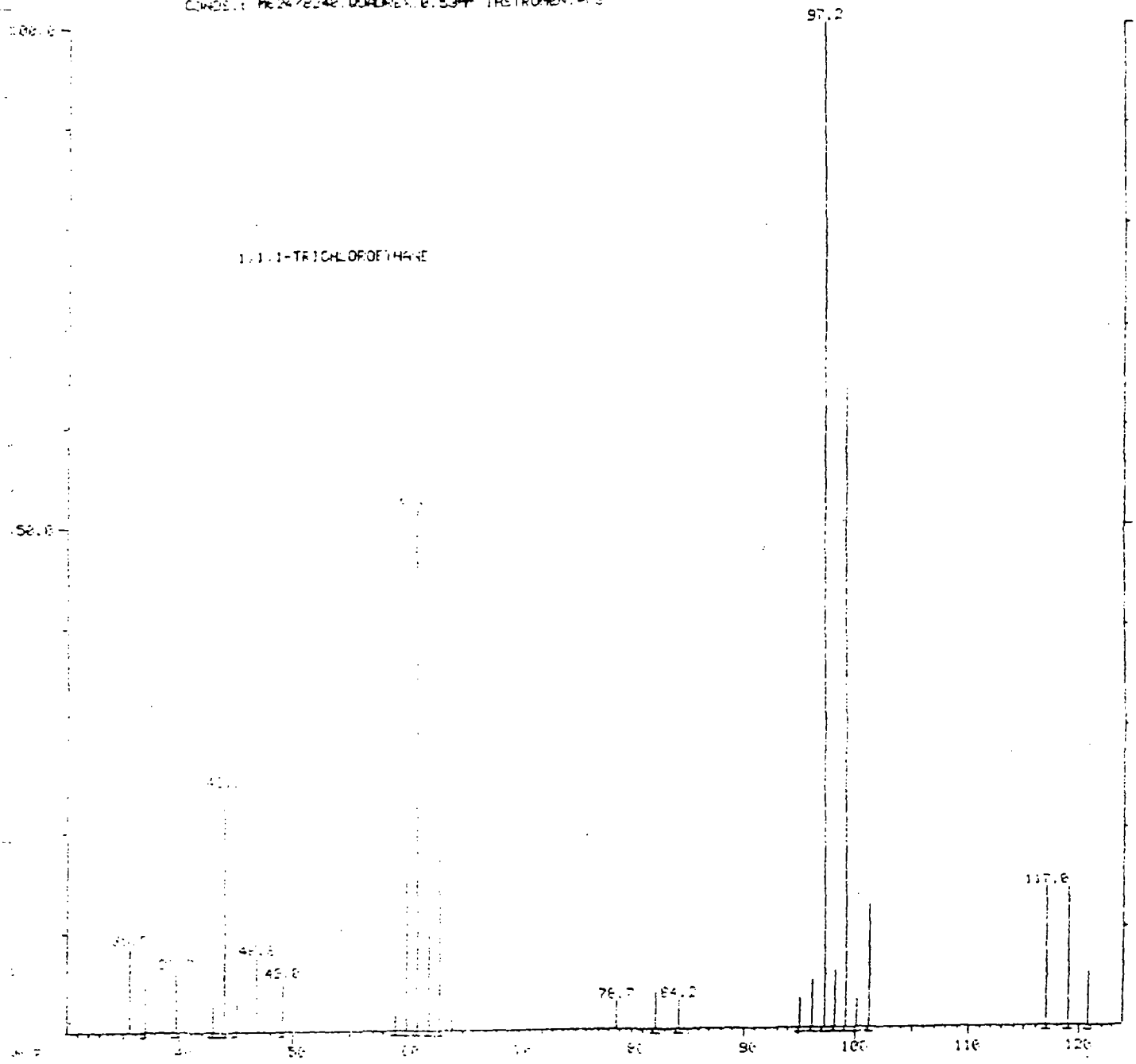
DATA: 3CU01031V04 # 425 BASE M/Z: 63
CALI: 3CU01031V04 # 3 RIC: 18239.



MASS SPECTRUM
01/20/89 13:35:00 + 8:24
SAMPLE: 18954,003.04 8901JC14
CONDS.: M624/8240,QUADREX,0.53MM INSTRUMENT=F3

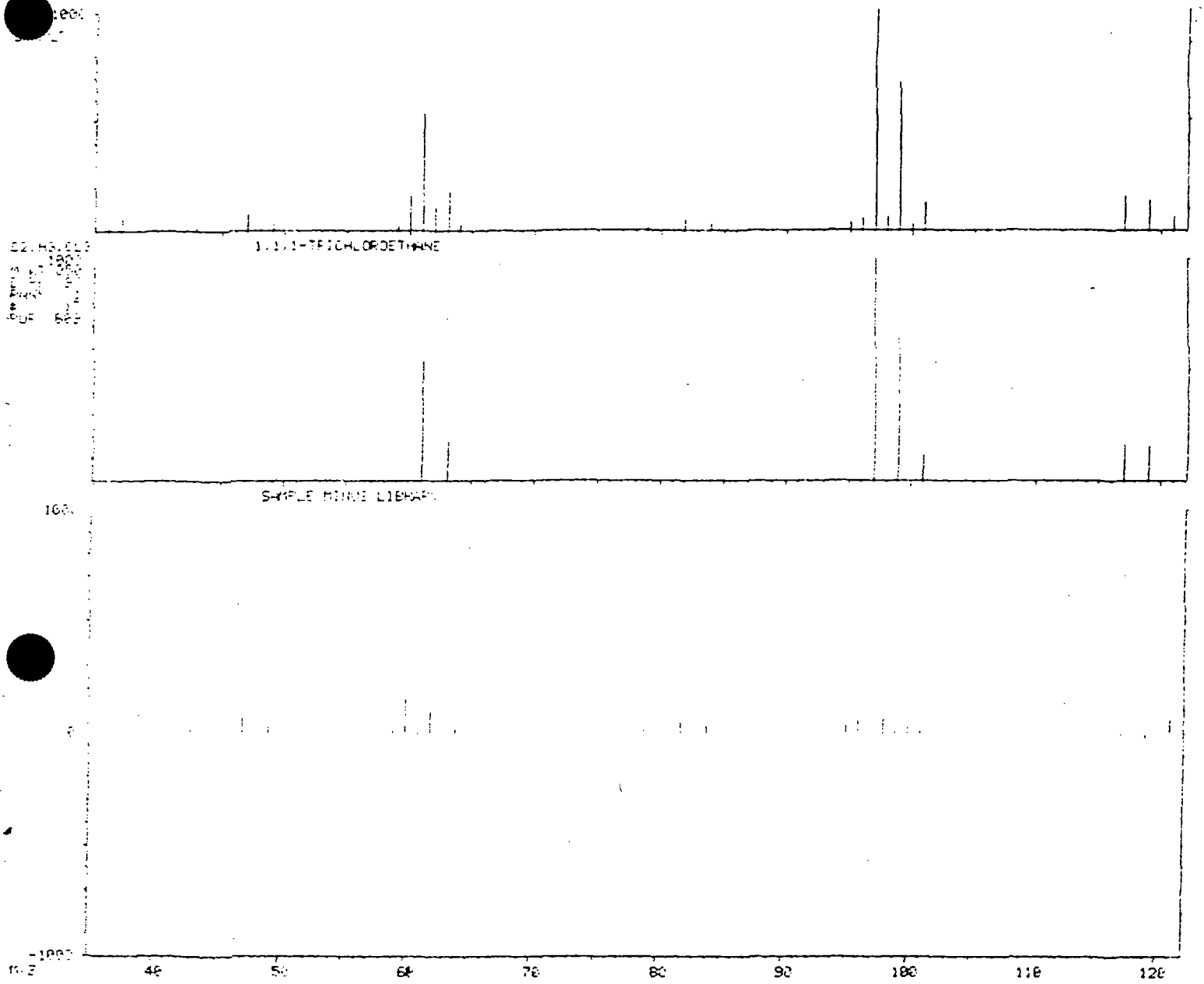
DATA: 3CU01031V04 #504
CALI: 3CU01031V04 #3

BASE M/Z: 97
RIC: 8464.

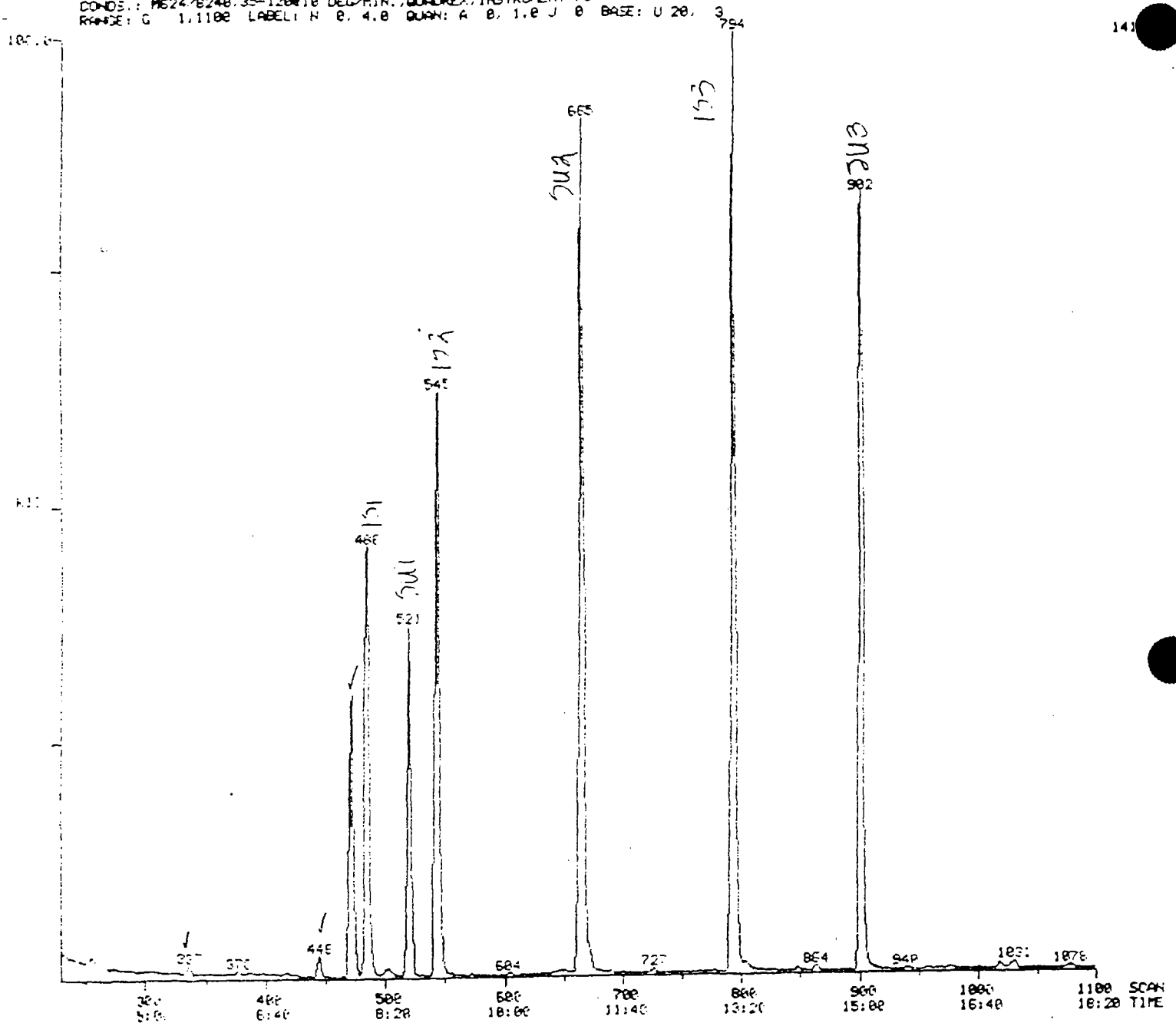


LIBRARY SEARCH
01/20/89 13:35:00 + 8:24
SAMPLE: 18954,003.04 8901JC14
CONDS.: MC24/8240.QUADREX.0.53MM INSTRUMENT#F3
ENHANCED (S 15E 2N 0T)

DATA: 3CU01031V04 # 504 BASE M/Z: 97
CALI: 3CU01031V04 # 3 RIC: 7415.



RIC 009 04 DATA: 3CU01031V05 #1 SCANS 230 TO 1100
01/05/89 13:54:00 1-9-89 CALI: CALTAB #2
SAMPLE: 18954,0000,04 8901JC15
CONDS.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1,1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: 3CU01031V05

Data: 3CU01031V05.T1
/09/89 13:54:00
Sample: 18954, 8901JC15
Conds.: M624/8240,35-120G10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
[illegible]	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROBENZENE	
[illegible]	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	19449.	50.000 UG/L	13.96
2	114	544	9:04	2	1.000	A BB	142473.	50.000 UG/L	13.96
3	117	794	13:14	3	1.000	A BB	163119.	50.000 UG/L	13.96
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	378	6:18	1	0.779	A BB	296.	0.448 UG/L	0.13
9	43	337	5:37	1	0.695	A BB	3704.	5.155 UG/L	1.44
10	101	309	5:09	1	0.637	A BB	49.	0.065 UG/L	0.02
11	76	387	6:27	1	0.798	A BB	363.	0.178 UG/L	0.05
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	83	473	7:53	1	0.975	A BB	64640.	46.247 UG/L	12.91
16	NOT FOUND								
17	82	521	8:41	1	1.074	A?BB	71.	0.049 UG/L	0.01
18	72	446	7:26	2	0.820	A BB	1192.	11.044 UG/L	3.08
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	63	604	10:04	2	1.110	A BB	525.	0.401 UG/L	0.11
23	NOT FOUND								
24	NOT FOUND								
25	130	574	9:34	2	1.055	A BB	112.	0.186 UG/L	0.05
26	NOT FOUND								
27	NOT FOUND								
28	79	533	8:53	2	0.981	A BB	287.	0.084 UG/L	0.02
29	NOT FOUND								
30	NOT FOUND								
31	173	900	15:00	2	1.654	A?BB	110.	0.148 UG/L	0.04
32	43	652	11:32	3	0.872	A?BB	123.	0.094 UG/L	0.03
33	NOT FOUND								
34	164	727	12:07	3	0.918	A BB	391.	0.652 UG/L	0.18
35	63	901	15:01	3	1.135	A BB	53.	0.024 UG/L	-0.01
36	92	672	11:12	3	0.846	A BB	2449.	0.968 UG/L	0.27
37	112	797	13:17	3	1.004	A BB	581.	0.225 UG/L	0.06
38	106	798	13:18	3	1.005	A?BB	368.	0.237 UG/L	0.07
39	104	849	14:08	3	1.068	A BB	361.	0.106 UG/L	0.03
40	100	805	13:25	3	1.014	A BB	569.	0.321 UG/L	0.09
41	146	1019	16:59	3	1.283	A BB	1058.	0.487 UG/L	0.14
42	140	1080	18:00	3	1.360	A?BB	638.	0.311 UG/L	0.09
43	146	1031	17:11	3	1.298	A BB	1445.	0.537 UG/L	0.15
44	85	521	8:41	1	1.074	A?BB	69293.	47.444 UG/L	13.24
45	98	665	11:05	3	0.838	A BB	167146.	46.100 UG/L	12.87
46	95	903	15:03	3	1.136	A BB	93517.	46.768 UG/L	13.05

Quantitation Report File: 3CU01031V05

Data: 3CU01031V05.TI
01/09/89 13:54:00 003 04
Sample: 18954, ~~0300.04~~ 8901JC15
Conds.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

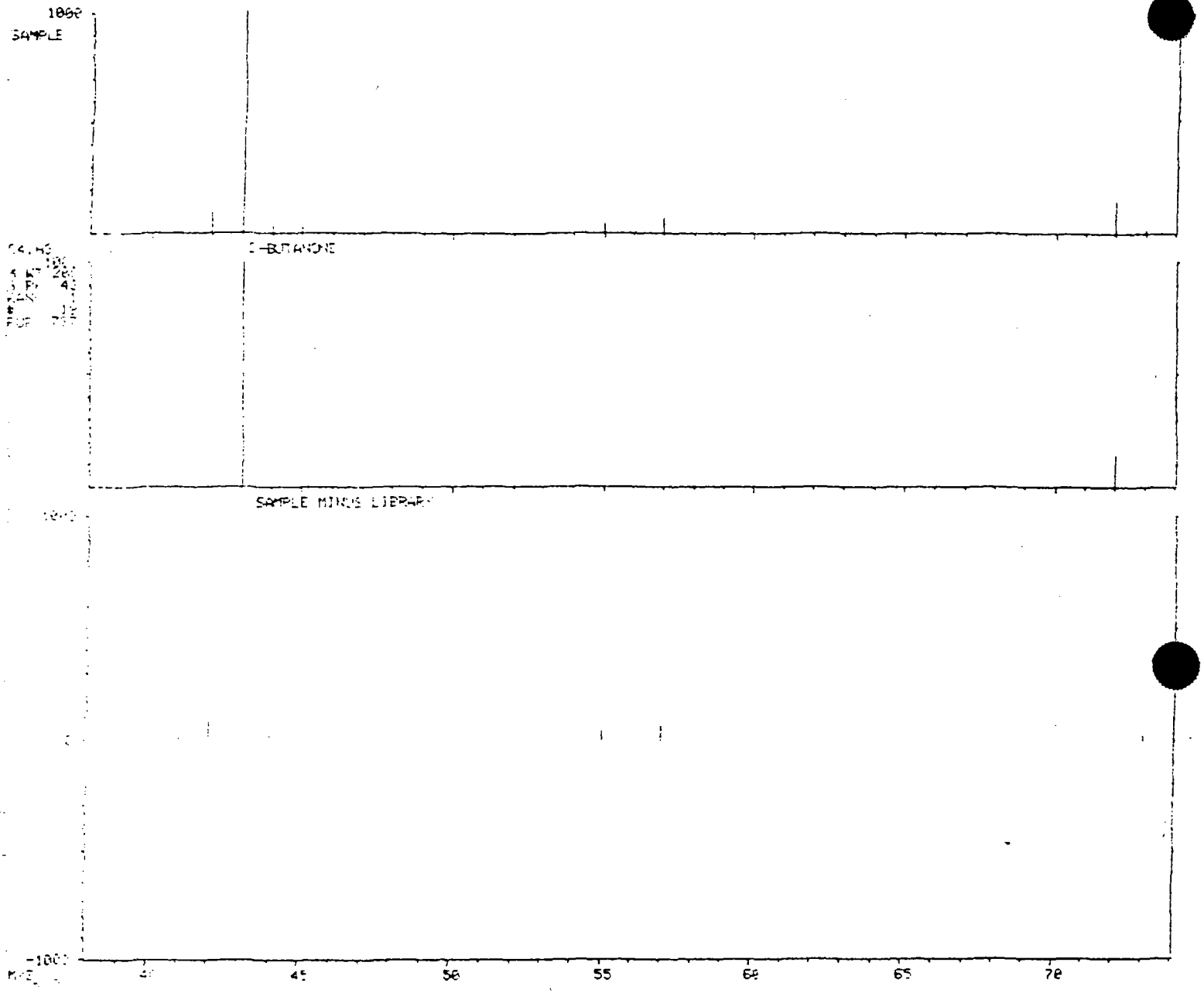
No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROFORM	
5	1,2-DICHLOROETHANE-D4	(SU1)
6	TOLUENE-D8	(SU2)
7	BROMOFLUOROBENZENE	(SU3)
8	2-BUTANONE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	19449.	50.000 UG/L	14.38
2	114	544	9:04	2	1.000	A BB	142473.	50.000 UG/L	14.38
3	117	794	13:14	3	1.000	A BB	163119.	50.000 UG/L	14.38
4	83	473	7:53	1	0.975	A BB	64640.	46.247 UG/L	13.30
5	65	521	8:41	1	1.074	A?BB	69293.	47.444 UG/L	13.65
6	98	665	11:05	3	0.838	A BB	167146.	46.100 UG/L	13.26
7	95	902	15:02	3	1.136	A BB	93517.	46.768 UG/L	13.45
[illegible]	72	446	7:26	2	0.820	M XX	1193.	11.052 UG/L	3.18

LIBRARY SEARCH 003 04 LM 19-89
01/09/89 13:54:00 + 7:26
SAMPLE: 18954,0000,04 890IJC15
CONDS.: M624/8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
ENHANCED (S 15E 2N 0T)

DATA: 3CU01031V05 # 44E
CALI: CALTAB # 2

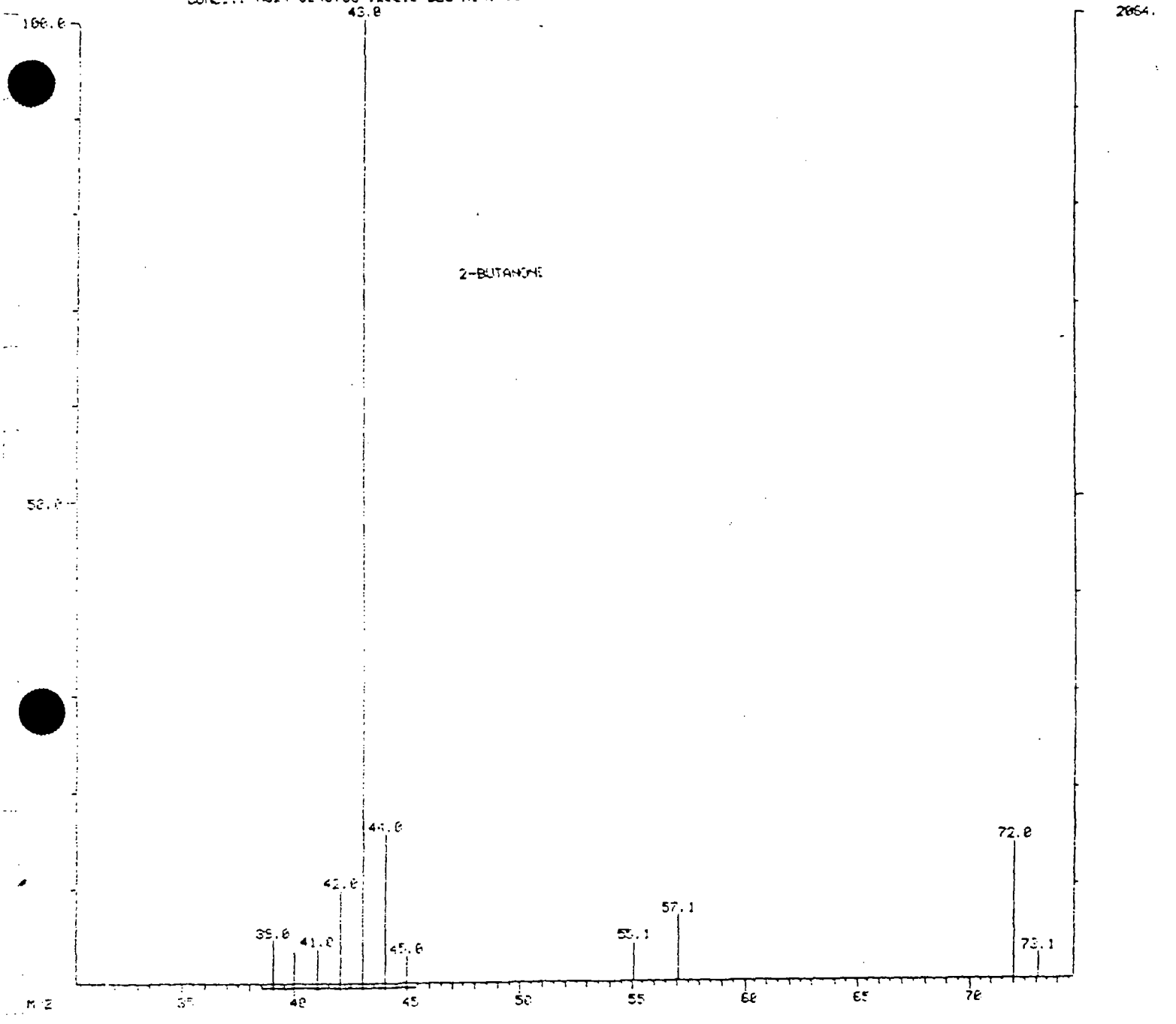
BASE M/Z: 43
RIC: 3071.



MASS SPECTRUM 003.04 UH 1-9-89
01/09/89 13:54:00 + 7:26
SAMPLE: 18954.0000.04 8901JC15
CONDS.: M624/8240.35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3

DATA: 3CU01031U05 #446
CALI: CALTAB #2

BASE M/Z: 43
RIC: 3480.

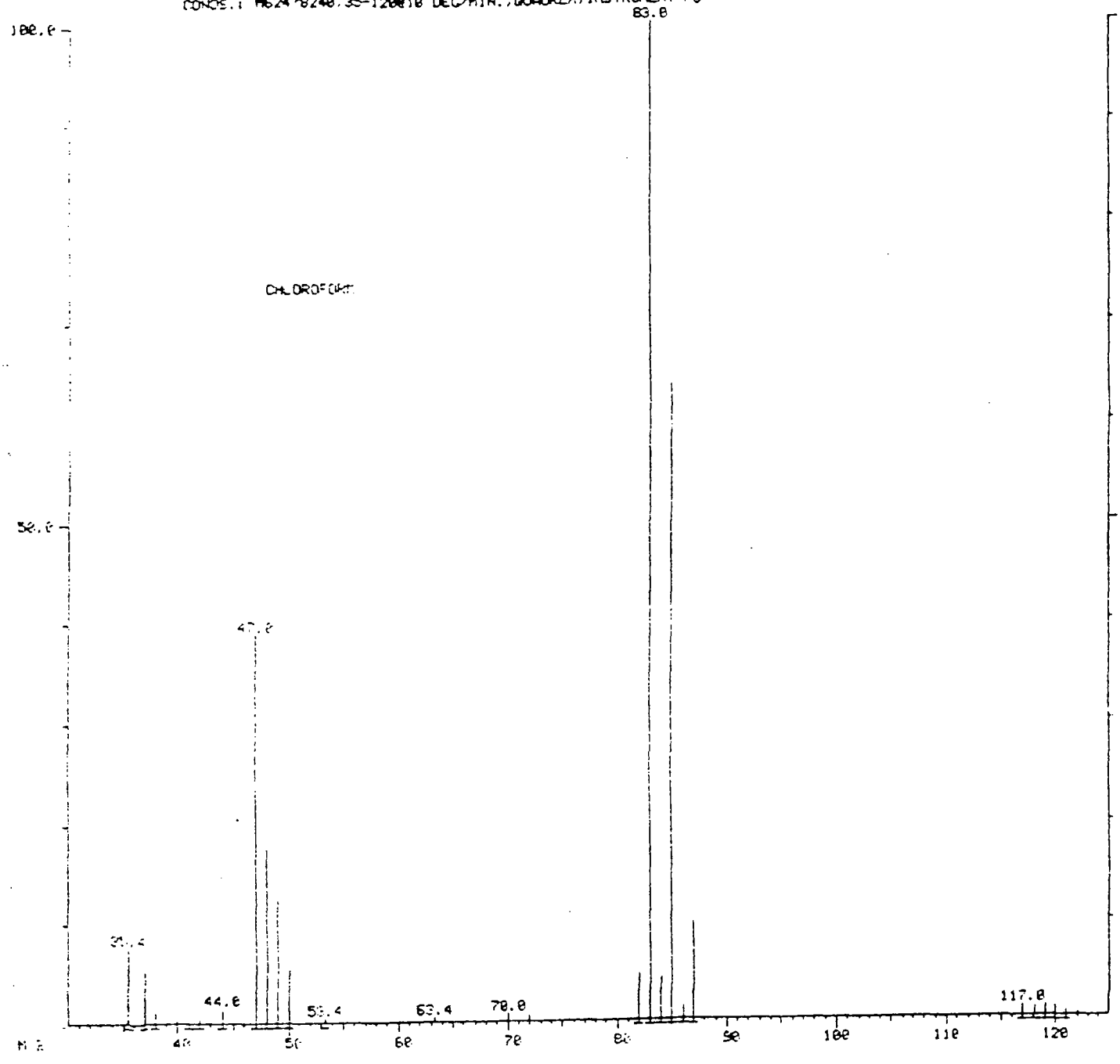


UH 1-9-89

MASS SPECTRUM: C:3,04
01/09/89 13:54:00 + 7:53
SAMPLE: 18354.0000:04 8901JC15
CONDS.: M624 8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT#F3

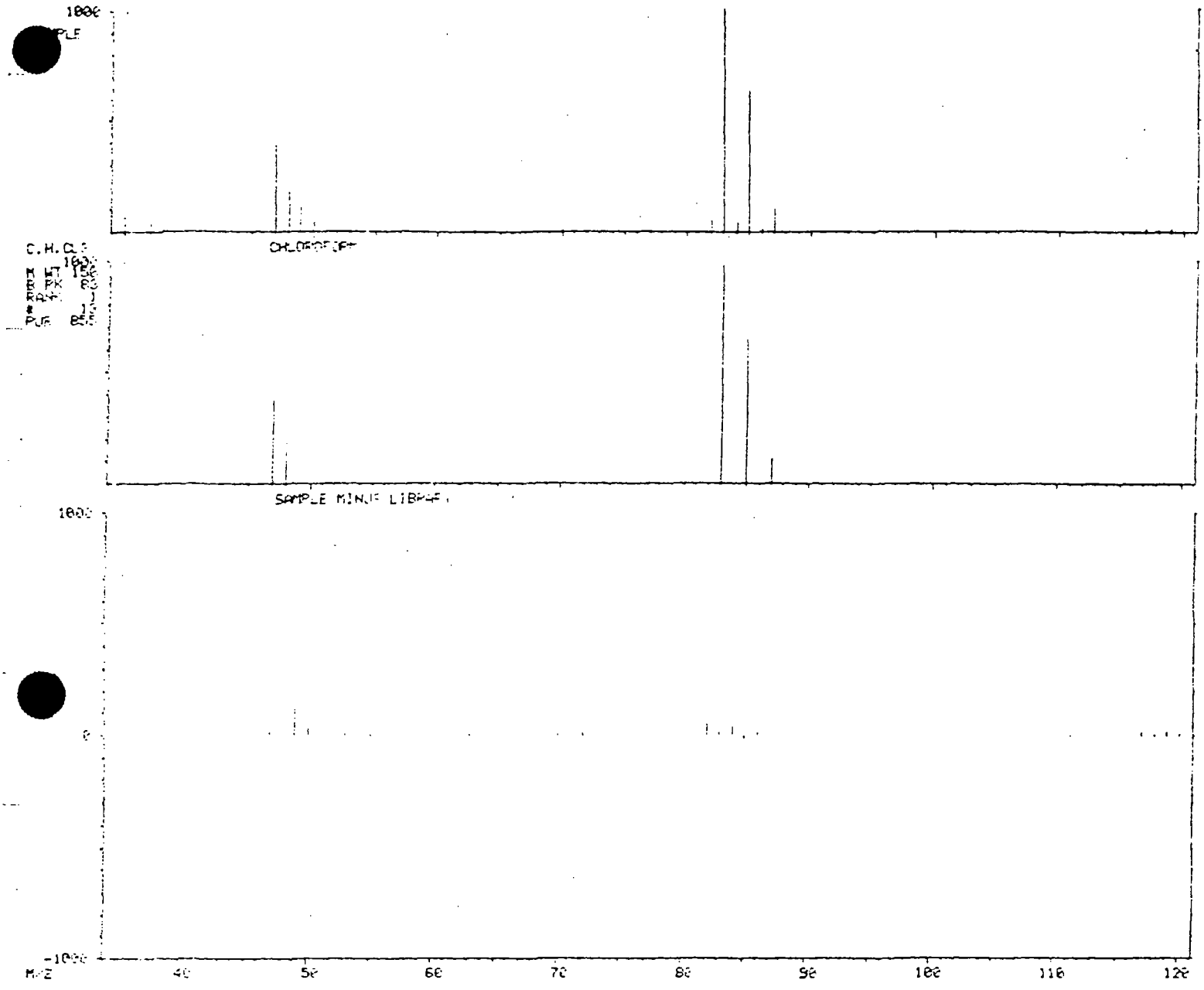
DATA: 3CU81031U05 0473
CALI: CALTAB 02

BASE M/Z: 83
RIC: 42816.



LIBRARY SEARCH 003.04 04 1-9-89
01/05/89 13:54:00 + 7:53
SAMPLE: 18954.0000-04 8901JC15
CONDS.: MS24/8240.35-120010 DEG/MIN.,QUADREX.INSTRUMENT=F3
ENHANCED (S 15E 2H 8T)

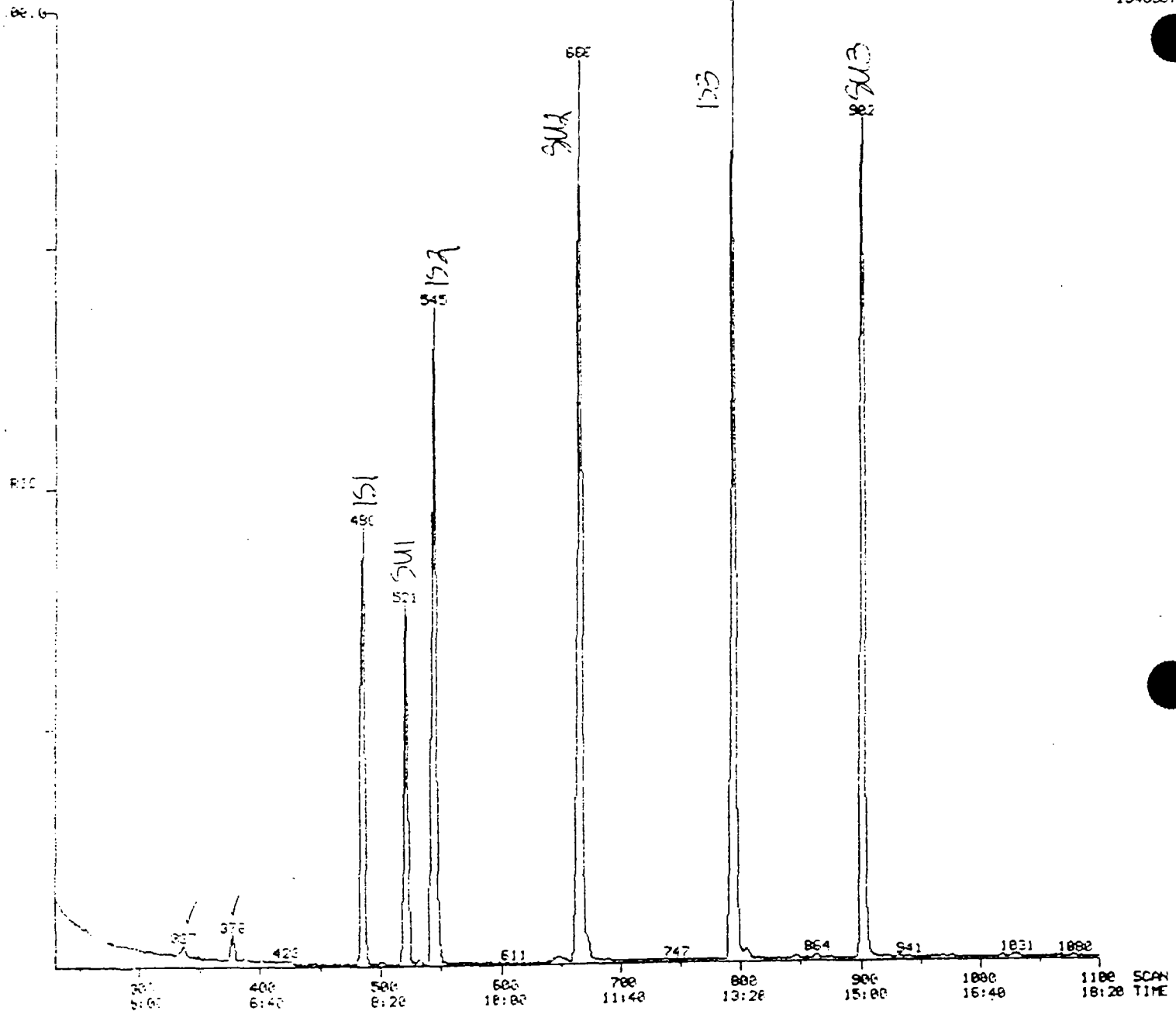
DATA: 3CU01031U05 # 473 BASE M/Z: 83
CALI: CALTAB # 2 RIC: 4:215.



RI UM 1-09-89 003.04
01/09/89 @ 15:48:00
SAMPLE: 18954,~~0300.04~~ 8901JC16
CONDS.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1,1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 3CU01031U06 #1 SCANS 230 TO 1100
CALI: CALTAB #2

134656.



Quantitation Report File: 3CU01031V06

Data: 3CU01031V06.TI
01/09/89 15:48:00 003.04 LM 1-9-89
Sample: 18954,~~0300.04~~ 8901JC16
Conds.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
[illegible]	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
[illegible]	1,4-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	126	486	8:06	1	1.000	A BB	19303.	50.000 UG/L	16.23
2	114	545	9:05	2	1.000	A BB	144297.	50.000 UG/L	16.23
3	117	794	13:14	3	1.000	A BB	157284.	50.000 UG/L	16.23
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	378	6:19	1	0.778	A BB	1944.	2.964 UG/L	0.96
9	43	337	5:37	1	0.693	A BB	4959.	6.954 UG/L	2.26
10	NOT FOUND								
11	76	389	6:28	1	0.798	A BB	187.	0.093 UG/L	0.03
12	98	348	5:48	1	0.716	A BB	107.	0.188 UG/L	0.06
13	63	423	7:03	1	0.870	A BB	473.	0.285 UG/L	0.09
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	63	532	8:42	1	1.074	A?BB	53.	0.036 UG/L	0.01
18	NOT FOUND								
19	97	502	8:22	2	0.921	A BB	764.	0.722 UG/L	0.23
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	78	533	8:53	2	0.978	A BB	1259.	0.362 UG/L	0.12
29	NOT FOUND								
30	NOT FOUND								
31	173	900	15:00	2	1.651	A BB	145.	0.193 UG/L	0.06
32	43	671	11:11	3	0.845	A BB	105.	0.083 UG/L	0.03
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	93	672	11:12	3	0.846	A BB	2385.	0.977 UG/L	0.32
37	112	798	13:18	3	1.005	A BB	515.	0.207 UG/L	0.07
38	106	799	13:19	3	1.006	A?BB	199.	0.133 UG/L	0.04
39	104	848	14:08	3	1.068	A BB	192.	0.059 UG/L	0.02
40	106	805	13:25	3	1.014	A BB	815.	0.477 UG/L	0.15
41	148	1019	16:59	3	1.283	A BB	544.	0.260 UG/L	0.08
42	146	1079	17:59	3	1.359	A BB	319.	0.161 UG/L	0.05
43	148	1031	17:11	3	1.298	A BB	688.	0.265 UG/L	0.09
44	85	531	8:41	1	1.072	A BB	68943.	47.562 UG/L	15.44
45	99	666	11:06	3	0.839	A BB	167296.	47.853 UG/L	15.53
46	95	902	15:02	3	1.136	A BB	93091.	48.282 UG/L	15.67

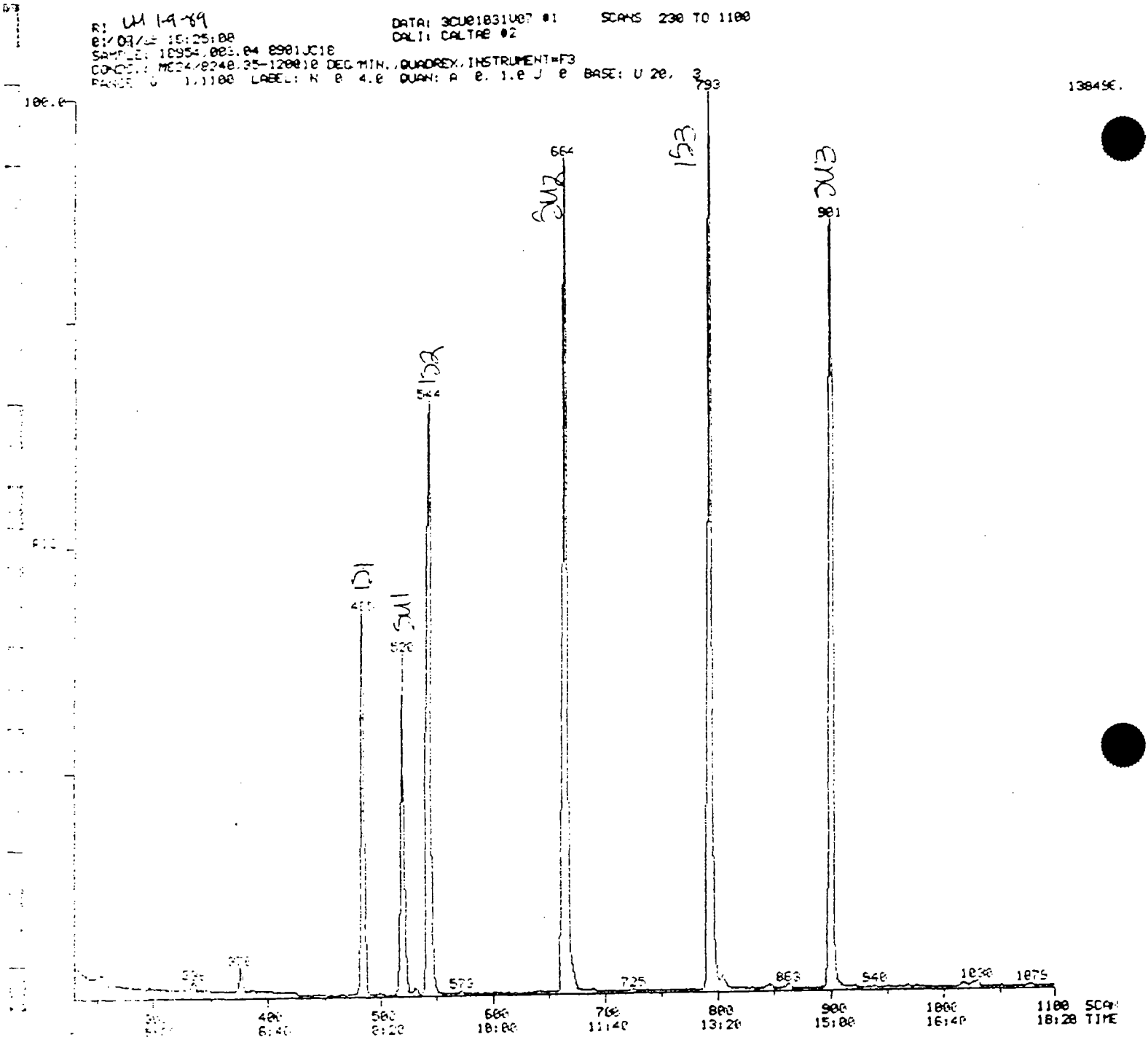
Quantitation Report File: 3CU01031V06

Data: 3CU01031V06.TI
01/09/89 15:48:00 003.04 LM 1-9-89
Sample: 18954.~~0300.04~~ 8901JC16
Mods.: M624/8240.35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No.	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	1,2-DICHLOROETHANE-D4	(SU1)
5	TOLUENE-D8	(SU2)
6	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	488	8:06	1	1.000	A BB	19303.	50.000 UG/L	17.02
2	114	549	9:05	2	1.000	A BB	144297.	50.000 UG/L	17.02
3	117	794	13:14	3	1.000	A BB	157284.	50.000 UG/L	17.02
4	65	521	8:41	1	1.072	A BB	68943.	47.563 UG/L	16.19
5	98	669	11:06	2	0.839	A BB	167296.	47.853 UG/L	16.29
6	93	902	15:03	3	1.136	A BB	93091.	48.282 UG/L	16.44



RI UH 1-9-89
DATA: 3CU01031U07 #1
SCANS 230 TO 1100
CALI: CALTAB #2
SAMPLE: 10954,003.04 8901JC18
CONDS.: MC24/8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
LABEL: N 0 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20, 3
138456.
100.0
793
664
901
544
520
573
725
863
540
1030
1075
400
6:40
500
8:20
600
10:00
700
11:40
800
13:20
900
15:00
1000
16:40
1100
18:20
SCAN
TIME

Quantitation Report File: 3CU01031V07

Data: 3CU01031V07.TI
01/09/89 16:25:00
Sample: 18554,003.04 B901JC1B
Comos.: M6E4/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: B901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
[illegible]	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
[illegible]	1,4-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	484	8:04	1	1.000	A BB	19776.	50.000 UG/L	16.16
2	114	544	9:04	2	1.000	A BB	146044.	50.000 UG/L	16.16
3	117	793	13:13	3	1.000	A BB	159432.	50.000 UG/L	16.16
4	NOT FOUND								
5	NOT FOUND								
6	62	253	4:13	1	0.523	A BB	49.	0.046 UG/L	0.01
7	NOT FOUND								
8	84	376	6:16	1	0.777	A BB	2213.	3.293 UG/L	1.06
9	43	335	5:36	1	0.694	A BB	4397.	6.018 UG/L	1.94
10	NOT FOUND								
11	76	386	6:26	1	0.798	A BB	370.	0.179 UG/L	0.06
12	96	348	5:48	1	0.719	A BB	214.	0.367 UG/L	0.12
13	63	422	7:02	1	0.872	A BB	439.	0.258 UG/L	0.08
14	NOT FOUND								
15	83	471	7:51	1	0.973	A BB	163.	0.115 UG/L	0.04
16	NOT FOUND								
17	62	522	8:42	1	1.079	A?BB	57.	0.038 UG/L	0.01
18	NOT FOUND								
19	97	500	8:20	2	0.919	A BB	512.	0.478 UG/L	0.15
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	130	572	9:32	2	1.051	A BB	225.	0.325 UG/L	0.11
26	NOT FOUND								
27	NOT FOUND								
28	78	532	8:52	2	0.978	A BB	1757.	0.499 UG/L	0.16
29	NOT FOUND								
30	NOT FOUND								
31	173	899	14:59	2	1.653	A?BB	105.	0.138 UG/L	0.04
32	43	651	11:31	3	0.871	A?BB	63.	0.049 UG/L	0.02
33	NOT FOUND								
34	164	725	12:05	3	0.914	A BB	138.	0.236 UG/L	0.08
35	NOT FOUND								
36	92	671	11:11	3	0.846	A BB	3053.	1.234 UG/L	0.40
37	112	797	13:17	3	1.005	A BB	901.	0.357 UG/L	0.12
38	106	793	13:18	3	1.006	A?BV	580.	0.382 UG/L	0.12
39	104	847	14:07	3	1.068	A BB	369.	0.111 UG/L	0.04
40	106	804	13:24	3	1.014	A BB	1158.	0.669 UG/L	0.22
41	146	1018	16:58	3	1.284	A BB	804.	0.379 UG/L	0.12
42	146	1079	17:59	3	1.361	A BB	637.	0.317 UG/L	0.10
43	146	1030	17:10	3	1.299	A?BB	1339.	0.509 UG/L	0.16
44	65	520	8:40	1	1.074	A BB	69875.	47.052 UG/L	15.21
45	98	664	11:04	3	0.837	A BB	169058.	47.706 UG/L	15.42
46	95	901	15:01	3	1.136	A BB	95156.	48.688 UG/L	15.73

Quantitation Report File: 3CU01031V07

Data: 3CU01031V07.TI
01/09/89 16:25:00
Sample: 18954,003.04 8901JC18
Mode.: MC24/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

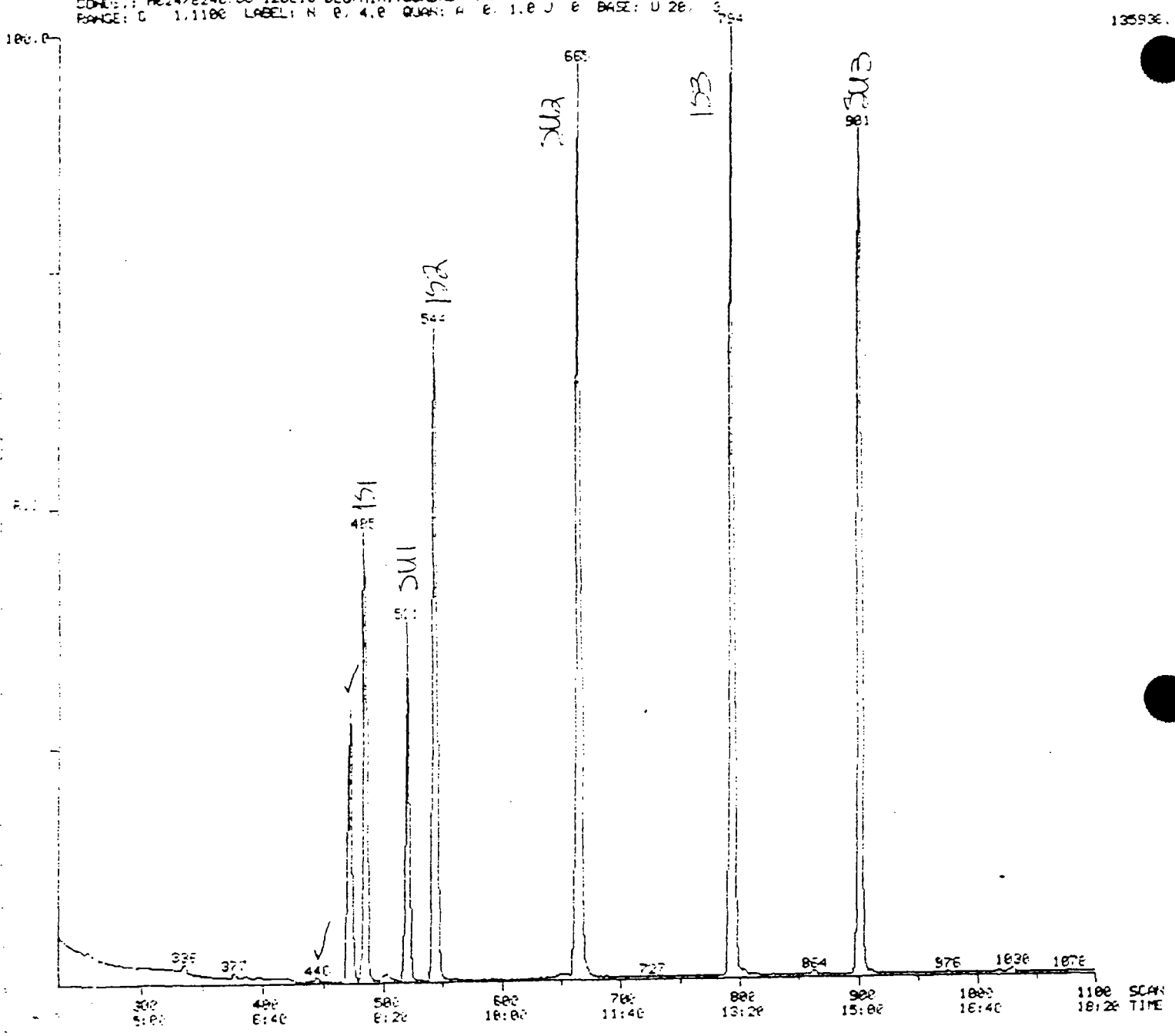
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	1,2-DICHLOROETHANE-D4	(SU1)
5	TOLUENE-D8	(SU2)
6	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	484	8:04	1	1.000	A BB	19776.	50.000 UG/L	17.04
2	114	544	9:04	2	1.000	A BB	146044.	50.000 UG/L	17.04
3	117	793	13:13	3	1.000	A BB	159432.	50.000 UG/L	17.04
4	65	520	8:40	1	1.074	A BB	69875.	47.052 UG/L	16.03
5	98	664	11:04	3	0.837	A BB	165058.	47.706 UG/L	16.26
6	95	901	15:01	3	1.136	A BB	95156.	48.688 UG/L	16.59

FIL
01/09/89 10:50:00
SAMPLE: 18954.005.04 8901JC21
CONDS.: MC24/8240.35-1200:10 DEG/MIN..QUADREX.INSTRUMENT=F3
RANGE: 0 1,1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 3CU01031U00 #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3CU01031V08

Data: 3CU01031V08.TI
01/09/89 16:56:00
Sample: 16954.003.04 8901JC21
Sends.: M624/S240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	19885.	50.000 UG/L	14.56
2	114	544	9:04	2	1.000	A BB	146578.	50.000 UG/L	14.56
3	117	754	13:14	3	1.000	A BB	157510.	50.000 UG/L	14.56
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	377	6:17	1	0.777	A BB	482.	0.714 UG/L	0.21
9	43	337	5:37	1	0.695	A BB	3753.	5.109 UG/L	1.49
10	NOT FOUND								
11	79	387	6:27	1	0.798	A BB	187.	0.090 UG/L	0.03
12	NOT FOUND								
13	63	421	7:01	1	0.868	A BB	58.	0.034 UG/L	0.01
14	NOT FOUND								
15	83	472	7:52	1	0.973	A BB	58265.	40.772 UG/L	11.87
16	NOT FOUND								
17	82	521	8:41	1	1.074	A?BB	110.	0.072 UG/L	0.02
18	73	445	7:25	2	0.818	A BB	198.	1.784 UG/L	0.52
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	78	509	8:53	2	0.980	A BB	261.	0.074 UG/L	0.02
29	NOT FOUND								
30	NOT FOUND								
31	173	900	15:01	2	1.654	A?BB	228.	0.298 UG/L	0.09
32	NOT FOUND								
33	NOT FOUND								
34	164	727	12:07	3	0.916	A BB	49.	0.085 UG/L	0.02
35	NOT FOUND								
36	93	671	11:11	3	0.845	A BB	1375.	0.563 UG/L	0.16
37	110	797	13:17	3	1.004	A BB	411.	0.185 UG/L	0.05
38	102	798	13:18	3	1.005	A?BB	52.	0.035 UG/L	0.01
39	104	848	14:08	3	1.068	A BB	167.	0.051 UG/L	0.01
40	116	804	13:24	3	1.013	A BB	224.	0.131 UG/L	0.04
41	146	1017	16:57	3	1.281	A BB	548.	0.261 UG/L	0.08
42	147	1079	17:55	3	1.359	A BB	343.	0.173 UG/L	0.05
43	146	1030	17:10	3	1.297	A BB	696.	0.268 UG/L	0.08
44	82	521	8:41	1	1.074	A BB	70111.	46.952 UG/L	13.67
45	99	665	11:05	3	0.838	A BB	166847.	47.656 UG/L	13.87
46	95	901	15:01	3	1.135	A BB	93127.	48.232 UG/L	14.04

Quantitation Report File: 3CU01031V08

Data: 3CU01031V08.TI
01/08/89 16:56:00
Sample: 18954.003.04 8901JC21
Meth.: MEE4/8240.35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fact. from Library Entry

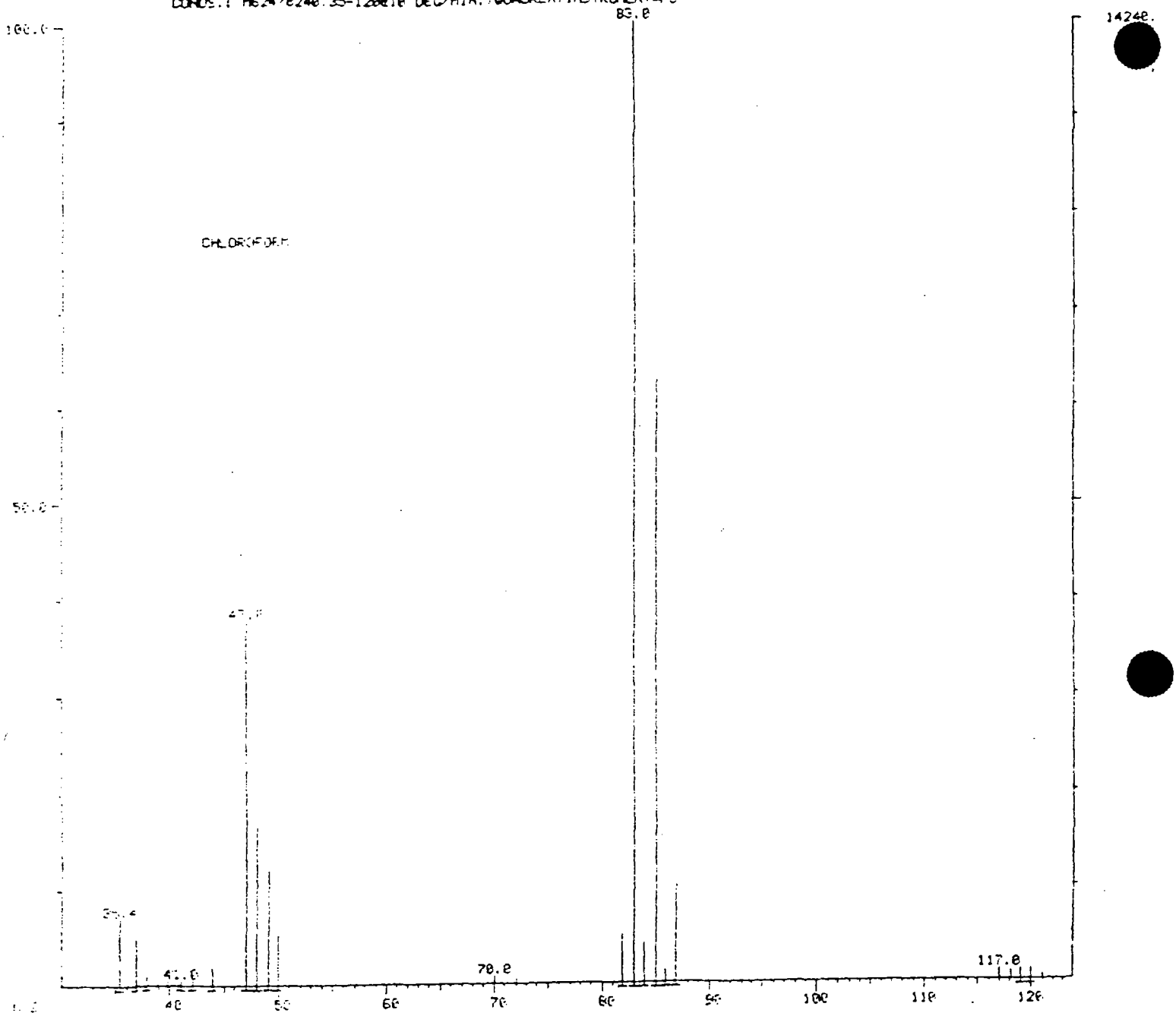
No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROFORM	
5	1,2-DICHLOROETHANE-D4	(SU1)
6	TOLUENE-D8	(SU2)
7	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	495	8:05	1	1.000	A BB	19885.	50.000 UG/L	14.99
2	114	542	9:04	2	1.000	A BB	146578.	50.000 UG/L	14.99
3	117	794	13:14	3	1.000	A BB	157510.	50.000 UG/L	14.99
4	83	413	7:53	1	0.973	A BB	58265.	40.772 UG/L	12.22
5	63	521	8:41	1	1.074	A BB	70111.	46.952 UG/L	14.07
6	98	665	11:05	2	0.835	A BB	166847.	47.658 UG/L	14.28
7	95	901	15:01	3	1.135	A BB	93127.	48.233 UG/L	14.46

MASS SPECTRUM
01/09/85 16:56:00 + 7:52
SAMPLE: 18954.003.04 890:JC21
CONDS.: M624/8240.35-120010 DEG/MIN./QUADREX/INSTRUMENT#3

DATA: 3CU01031U08 0472
CALI: CALTAB 02

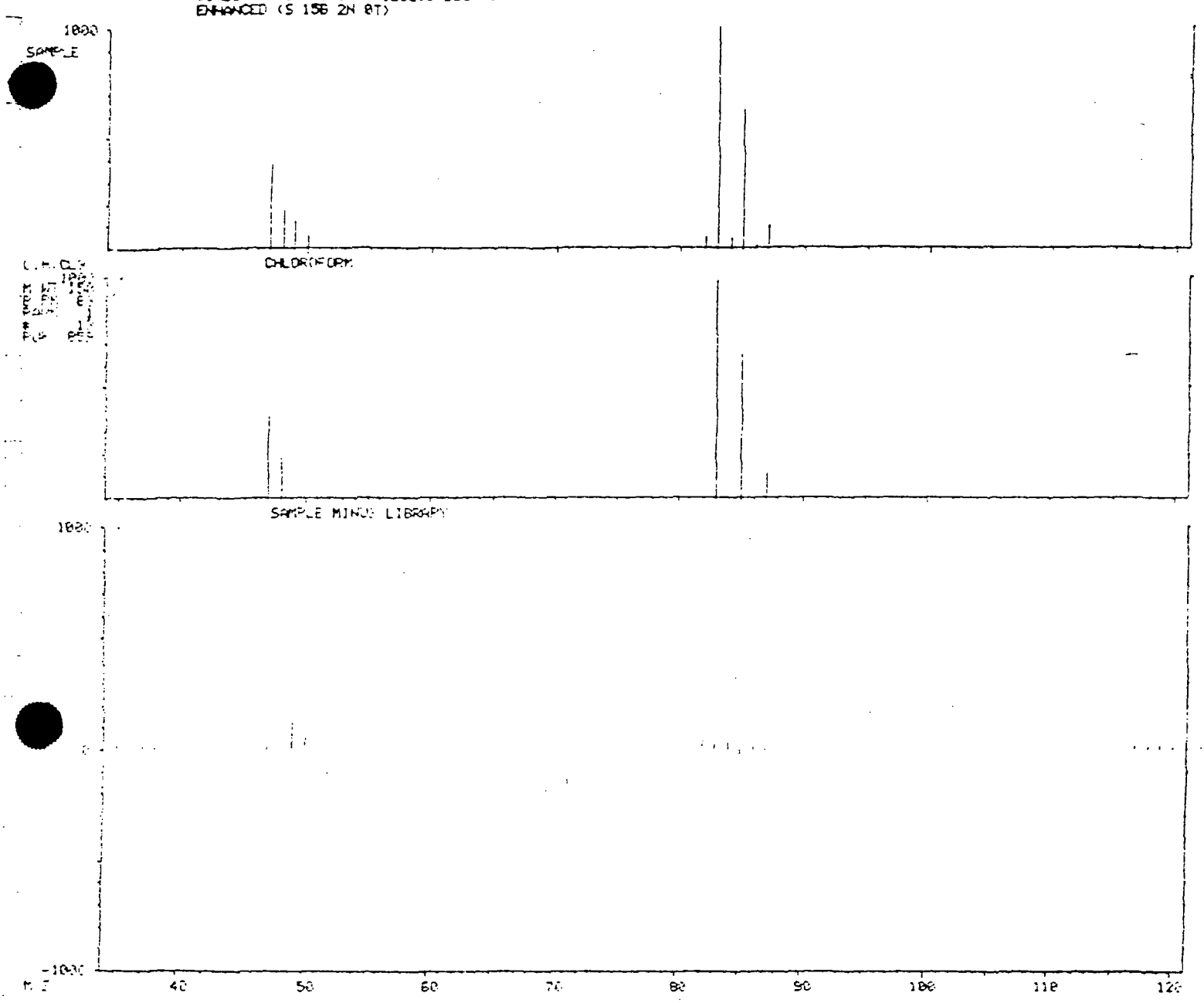
BASE M/Z: 83
RIC: 39552.



LIBRARY SEARCH
01/09/89 16:56:00 + 7:52
SAMPLE: 18954,003.04 0901JC21
CONDS.: M624/8240,35-120010 DEC/MIN.,QUADREX,INSTRUMENT#F3
ENHANCED (S 156 2N 0T)

DATA: 3CU01031U00 # 472
CALI: CALTAE # 2

BASE M/Z: 83
RIC: 37755.

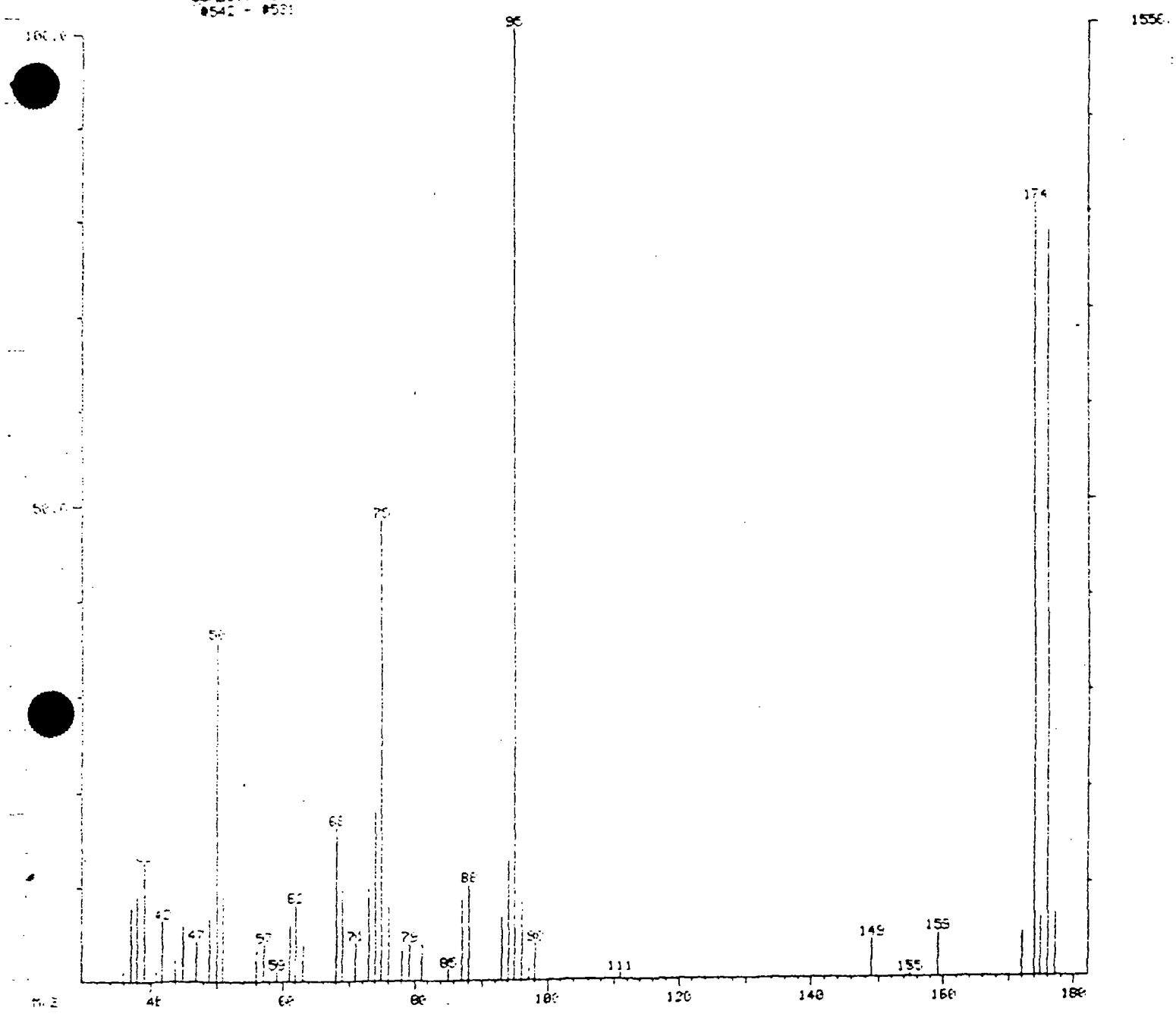


SECTION II-2.

MASS SPECTRUM
01/05/89 7:37:00 + 9:02
SAMPLE: BFB 50 NG
CONDS.: M624/8240.35-120010.DEG/MIN.,QUADREX,INSTRUMENT#3
#542 - #551

DATA: 3CBFB0109 #542
CALI: CALTAB #2

BASE M/Z: 95
RIC: 9104.



Mass L Data: 3CBFB0109 # 542 Base m/z: 95
01/09/[illegible] 7:37:00 + 9:02 Cali: CALTAB # 2 RIC: 9104.
Sample: BFB 50 NG
Conds.: MS34 8240,35-120G10 DEG/MIN.,QUADREX,INSTRUMENT=F3
#542 - #[illegible].

36		0.00	0.	Minima Min Inten: 0.
177				Maxima # 0
Mass		[illegible]	Inten.	
36[illegible]	[illegible]	0.13	2.	
37		7.94	122.	
38[illegible]		9.13	142.	
39[illegible]		12.60	196.	
41	[illegible]	0.19	3.	
43		6.36	99.	
44	[illegible]	1.41	22.	
45		5.91	92.	
47		4.19	65	
48		6.69	104.	
5[illegible]		25.80	557.	
5[illegible]		9.00	140.	
5[illegible]	[illegible]	3.31	36.	
57	[illegible]	3.92	61.	
5[illegible]		1.07	16	
6[illegible]		5.85	91.	
6[illegible]		8.16	127.	
6[illegible]		4.11	64	
6[illegible]		18.13	281.	
6[illegible]	[illegible]	3.69	135	
[illegible]	[illegible]	4.11	64.	
[illegible]	[illegible]	8.[illegible]	137.	
[illegible]		17.7[illegible]	276.	
[illegible]		48.[illegible]	752.	
7[illegible]		8.43	131.	
7[illegible]		3.34	52.	
[illegible]		3.92	61.	
8[illegible]	[illegible]	2.89	45.	
8[illegible]	[illegible]	1.22	13.	
8[illegible]		8.55	133.	
8[illegible]		10.09	157.	
9[illegible]		6.68	104.	
9[illegible]		12.60	196.	
9[illegible]	[illegible]	100.00	1556.	
9[illegible]		8.87	138.	
9[illegible]	[illegible]	0.39	6.	
9[illegible]		3.92	61.	
11[illegible]	[illegible]	0.56	9.	
14[illegible]		4.11	64.	
15[illegible]	[illegible]	0.32	5.	
159		4.69	73.	
173		4.63	72.	
174		[illegible].95	1258.	
175		6.17	96.	
17[illegible]		78.02	1214.	
17[illegible]		6.49	101.	

[illegible] 1981 Data: 3CBFB0109 # 542 Base m/z: 95
[illegible] 89 7:37:00 + 9:02 Cali: CALTAB # 2 RIC: 9104.
Sample: BFB 50 NG
Comment: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
#542 - #531

170	0.00	0.	Minima	Min Inten:	0.	
177			Maxima	# 0 100% RA	m/z	174

Mass	% RA	Inten.
173	5.72	72.
174	100.00	1258.
175	7.63	96.
176	96.50	1214.
177	8.03	101.

Mass List Data: 3CBFB0109 # 542 Base m/z: 95
01/09/89 7:37:00 + 9:02 Cali: CALTAB # 2 RIC: 9104.
Sample: BFB 50 NG
Conds.: M624/B240.35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
#542 - #531

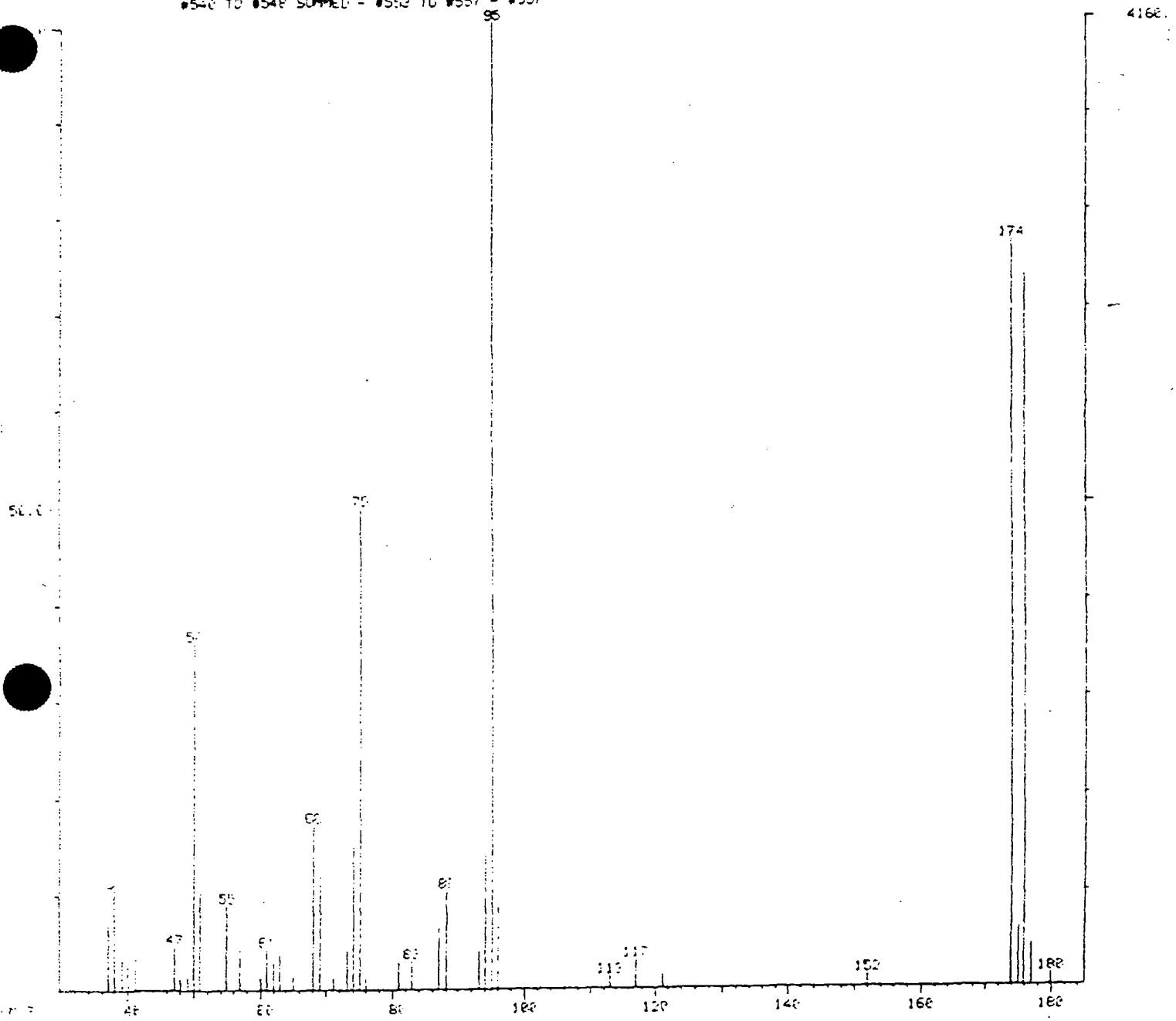
170 0.00 0. Minima Min Inten: 0.
177 Maxima # 0 100% RA m/z 176

Mass	% RA	Inten.
172	5.93	72.
174	103.63	1258.
175	7.91	96.
176	100.00	1214.
177	8.32	101.

MASS SPECTRUM
8/20/83 9:47:00 - 9:64
SAMPLE: BFB 50 NG
CONDS.: ME24/8240.QUADREX.0.53MM INSTRUMENT#3
#540 TO #549 SUMMED - #552 TO #557 - #557

DATA: 3CBFB0:204 #544
CAL1: 3CR01090\02 #3

BASE M/Z: 95
RIC: 21792.



Data: 3CBFB0120A # 544 Base m/z: 95
[illegible] 9:47:00 + 9:04 Cali: 3CR01090U02 # 3 RIC: 21792.
[illegible] BFE 50 NG
[illegible] M624.8240.QUADREX.0.53MM INSTRUMENT=F3
[illegible] #548 summed - #553 to #557 - #557

0.00 0. Minima Min Inten: 0.
Maxima # 0

		RA	Inten.
[illegible]		6.92	288.
[illegible]		10.65	443.
[illegible]	[illegible]	4.11	171.
[illegible]	[illegible]	2.45	102.
[illegible]	[illegible]	3.46	144.
[illegible]		4.62	192.
[illegible]		1.22	51.
[illegible]		1.41	58
[illegible]		36.01	1498.
[illegible]		10.67	443.
[illegible]		8.94	372.
[illegible]		3.44	143.
[illegible]		1.25	52.
[illegible]		4.41	183.
[illegible]		2.88	119.
[illegible]		4.13	172.
[illegible]		1.42	59.
[illegible]		17.1[illegible]	711.
[illegible]	[illegible]	11.[illegible]	459.
[illegible]		1.2[illegible]	52.
[illegible]		4.21	175.
[illegible]		14.83	617.
[illegible]		49.42	2064.
[illegible]		1.32	55.
[illegible]		2.81	117.
[illegible]		2.93	122.
[illegible]	[illegible]	5.38	224.
[illegible]		10.29	428.
[illegible]		3.99	166.
[illegible]		13.9[illegible]	578.
[illegible]	[illegible]	100.00	4160.
[illegible]	[illegible]	8.63	359.
[illegible]		1.30	54.
[illegible]		3.00	125.
[illegible]		1.47	61.
[illegible]		1.25	52.
[illegible]	[illegible]	76.73	3192.
[illegible]		6.20	258.
[illegible]		73.17	3044.
[illegible]		4.35	181.
[illegible]		1.20	50.

[illegible] List

[illegible] 9:47:00 + 9:04

[illegible] BFB 50 NG

[illegible] : [illegible]8240,QUADREX,0.53MM INSTRUMENT=F3

[illegible] #548 summed - #553 to #557 - #557

Data: 3CBFB0120A # 544 Base m/z: 95

Cali: 3CR01090V02 # 3 RIC: 21792.

0.00	0.	Minima	Min Inten: 0.
		Maxima	# 0 100% RA m/z 174

	RA	Inten.
[illegible]	1.63	52.
[illegible]	100.00	3192.
[illegible]	8.01	258.
[illegible]	95.36	3044.
[illegible]	5.67	181.
[illegible]	1.57	50.

[illegible] List
[illegible] 20-88 9:47:00 - 9:04 Data: 3CBFB0120A # 544 Base m/z: 95
Sample: BFB 50 NG Cali: 3CR01090V02 # 3 RIC: 21792.
[illegible] MB24/8240,QUADREX,0.53MM INSTRUMENT=F3
[illegible] to #548 summed - #553 to #557 - #557

[illegible]	0.00	0.	Minima Min Inten: 0.
[illegible]			Maxima # 0 100% RA m/z 176

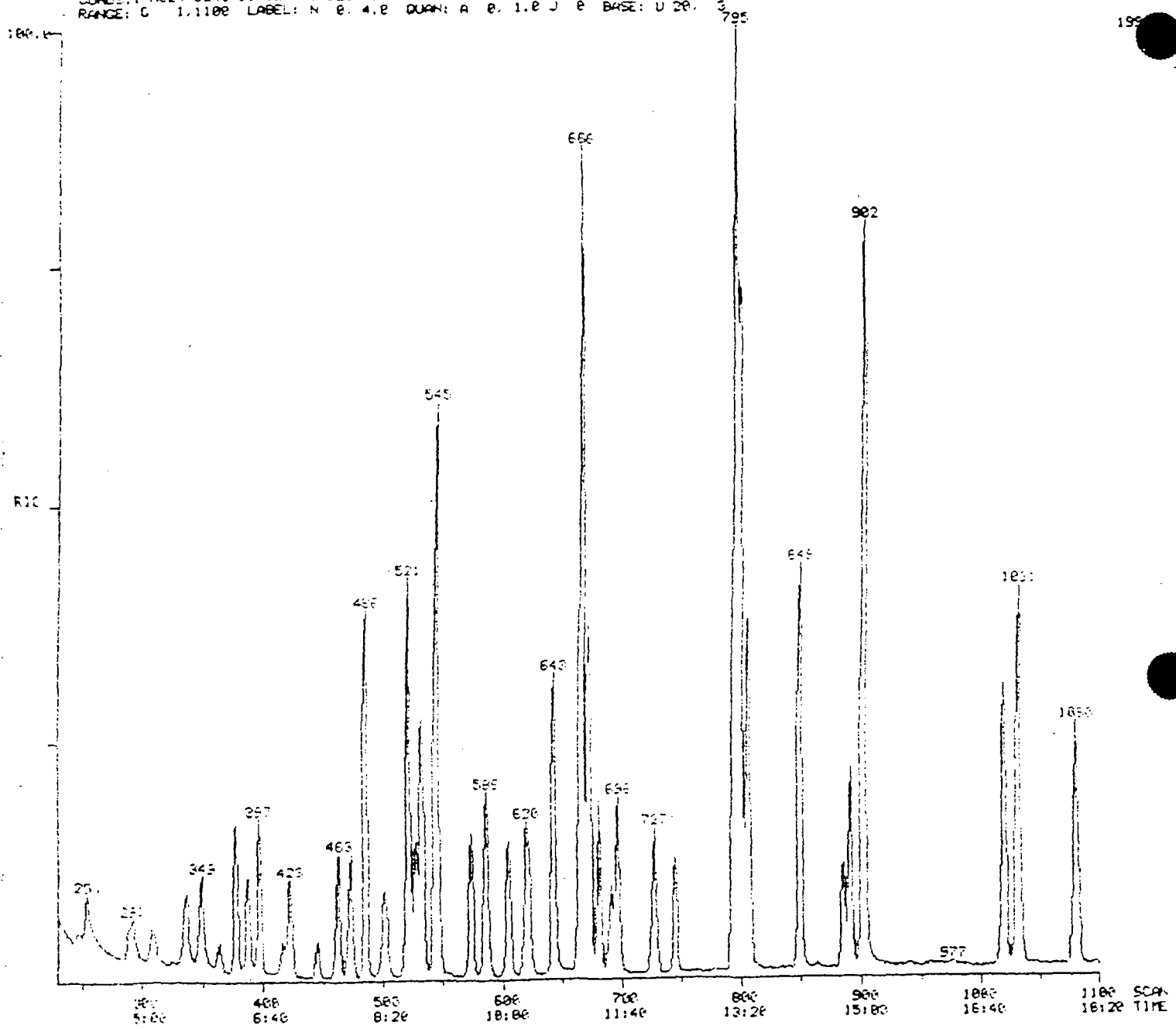
[illegible]	RA	Inten.
[illegible]	1.71	53.
[illegible]	104.[illegible]	3192.
[illegible]	8.48	258.
[illegible]	100.00	3044.
[illegible]	5.95	181.
[illegible]	1.64	50.

SECTION II-3.

M 1-01-89

RI
01/09/89 9:52:00
SAMPLE: VSTU20
CONDS.: ME24 8248 35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: 0 1.1100 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

DATA: 3C50109U020 #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3CS0109V020

Data: 3CS0109V020.TI
01/09/89 9:52:00
Sample: VSTD20
Cols.: M634/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
[illegible]	2-BUTANONE	
[illegible]	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
[illegible]	1,4-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	25085.	50.000 UG/L	4.55
2	114	545	9:05	2	1.000	A BB	187920.	50.000 UG/L	4.55
3	117	794	13:14	3	1.000	A BB	226953.	50.000 UG/L	4.55
4	50	247	4:07	1	0.509	QEDT	19506.	20.000 UG/L	1.82
5	94	288	4:48	1	0.594	QEDT	14630.	20.000 UG/L	1.82
6	63	254	4:14	1	0.524	QEDT	33661.	20.000 UG/L	1.82
7	64	291	4:51	1	0.600	QEDT	15086.	20.000 UG/L	1.82
8	84	377	6:17	1	0.777	A BB	17109.	20.000 UG/L	1.82
9	43	337	5:37	1	0.695	A BB	31071.	20.000 UG/L	1.82
10	101	309	5:09	1	0.637	QEDT	20146.	20.000 UG/L	1.82
11	78	387	6:27	1	0.798	A BB	50899.	20.000 UG/L	1.82
12	96	349	5:49	1	0.720	A BB	15152.	20.000 UG/L	1.82
13	63	423	7:03	1	0.872	A BB	46093.	20.000 UG/L	1.82
14	96	397	6:37	1	0.819	A BB	19684.	20.000 UG/L	1.82
15	83	473	7:53	1	0.975	A BB	38390.	20.000 UG/L	1.82
16	101	335	5:35	1	0.691	QEDT	13790.	20.000 UG/L	1.82
17	61	528	8:48	1	1.089	A BB	41449.	20.000 UG/L	1.82
18	73	446	7:26	2	0.816	A BB	2927.	20.000 UG/L	1.82
19	97	503	8:23	2	0.921	A BB	29234.	20.000 UG/L	1.82
20	117	523	8:43	2	0.958	A BB	20693.	20.000 UG/L	1.82
21	43	417	6:57	2	0.765	A BB	21267.	20.000 UG/L	1.82
22	83	605	10:05	2	1.110	A BB	37033.	20.000 UG/L	1.82
23	63	586	9:46	2	1.075	A BB	32783.	20.000 UG/L	1.82
24	75	643	10:43	2	1.180	A?BB	64545.	20.000 UG/L	1.82
25	130	574	9:34	2	1.053	A BB	19292.	20.000 UG/L	1.82
26	129	745	12:25	2	1.367	A BB	25828.	20.000 UG/L	1.82
27	97	693	11:36	2	1.277	A?BB	24455.	20.000 UG/L	1.82
28	78	533	8:53	2	0.978	A BB	96428.	20.000 UG/L	1.82
29	75	680	11:20	2	1.246	A BB	34191.	20.000 UG/L	1.82
30	63	619	10:19	2	1.135	A BB	18083.	20.000 UG/L	1.82
31	173	885	14:45	2	1.624	A BB	21655.	20.000 UG/L	1.82
32	43	691	11:31	3	0.870	A BB	32239.	20.000 UG/L	1.82
33	58	622	10:22	3	0.783	A BB	12400.	20.000 UG/L	1.82
34	184	727	12:07	3	0.916	A BB	15441.	20.000 UG/L	1.82
35	83	891	14:51	3	1.123	A BB	56779.	20.000 UG/L	1.82
36	93	672	11:12	3	0.846	A BB	67745.	20.000 UG/L	1.82
37	112	798	13:18	3	1.005	A BB	79357.	20.000 UG/L	1.82
38	106	799	13:19	3	1.006	A?BV	43366.	20.000 UG/L	1.82
39	104	849	14:09	3	1.069	A BB	88025.	20.000 UG/L	1.82
40	106	805	13:25	3	1.014	A BB	53581.	20.000 UG/L	1.82
41	146	1019	16:59	3	1.283	A BB	58663.	20.000 UG/L	1.82
42	146	1080	18:00	3	1.360	A?BB	57830.	20.000 UG/L	1.82
43	146	1031	17:11	3	1.298	A?BB	77624.	20.000 UG/L	1.82
44	65	521	8:41	1	1.074	A BB	94428.	50.000 UG/L	4.55
45	98	666	11:06	3	0.839	A BB	226825.	50.000 UG/L	4.55
46	95	902	15:02	3	1.136	A BB	124345.	50.000 UG/L	4.55

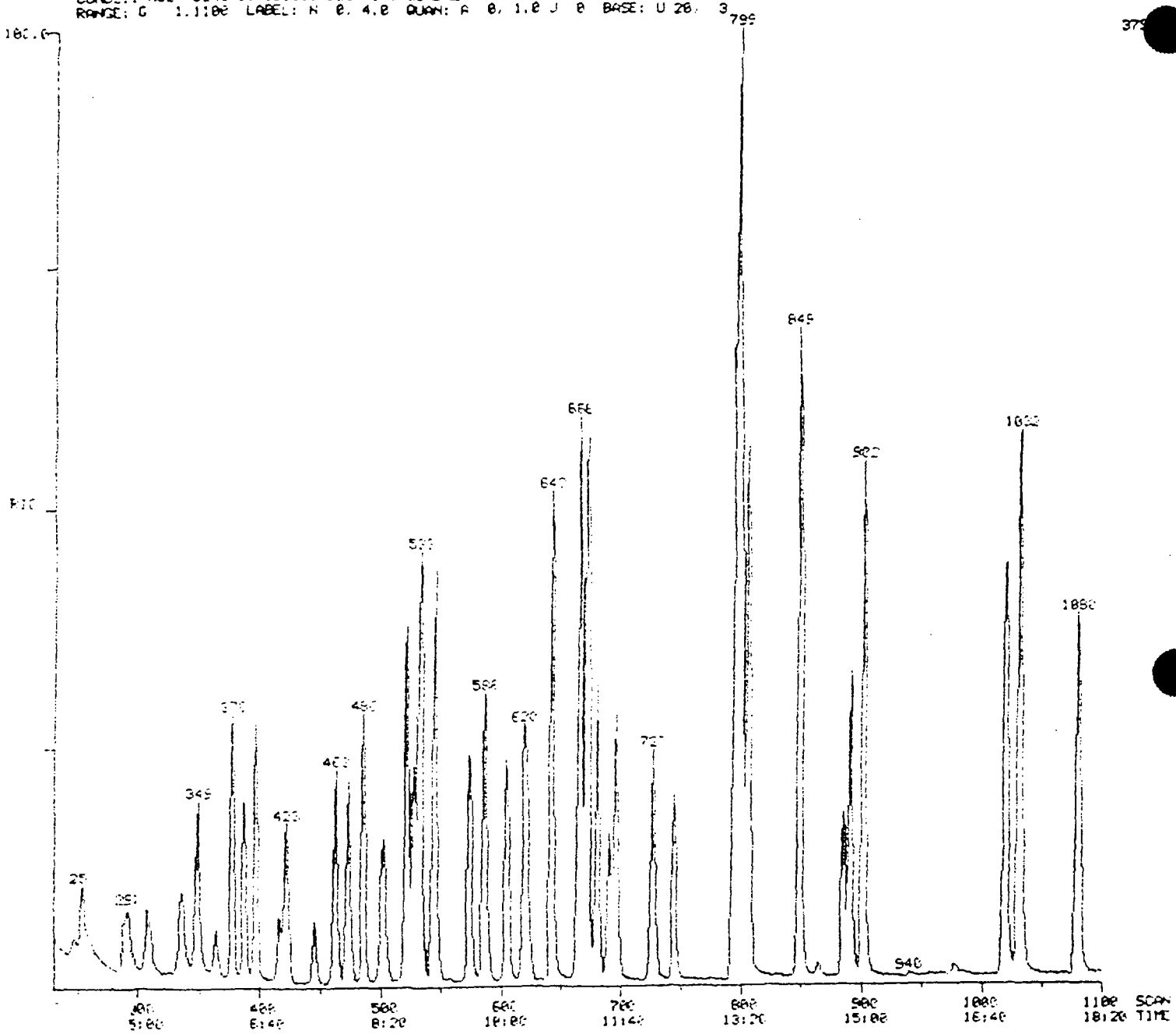
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:05	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	9:05	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	13:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	4:07	1.00	0.509	1.00	20.00	20.00	1.944	1.944	1.00
5	4:48	1.00	0.594	1.00	20.00	20.00	1.458	1.458	1.00
6	4:14	1.00	0.524	1.00	20.00	20.00	3.355	3.355	1.00
7	4:51	1.00	0.600	1.00	20.00	20.00	1.503	1.503	1.00
8	6:17	1.00	0.777	1.00	20.00	20.00	1.705	1.705	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
9	5:37	1.00	0.695	1.00	20.00	20.00	3.097	3.097	1.00
10	5:09	1.00	0.637	1.00	20.00	20.00	2.008	2.008	1.00
11	6:27	1.00	0.798	1.00	20.00	20.00	5.073	5.073	1.00
12	5:49	1.00	0.720	1.00	20.00	20.00	1.510	1.510	1.00
13	7:03	1.00	0.872	1.00	20.00	20.00	4.594	4.594	1.00
14	6:37	1.00	0.819	1.00	20.00	20.00	1.962	1.962	1.00
15	7:53	1.00	0.975	1.00	20.00	20.00	3.826	3.826	1.00
16	5:35	1.00	0.691	1.00	20.00	20.00	1.374	1.374	1.00
17	8:48	1.00	1.089	1.00	20.00	20.00	4.131	4.131	1.00
18	7:26	1.00	0.918	1.00	20.00	20.00	0.039	0.039	1.00
19	8:22	1.00	0.921	1.00	20.00	20.00	0.389	0.389	1.00
20	8:42	1.00	0.958	1.00	20.00	20.00	0.275	0.275	1.00
21	6:57	1.00	0.765	1.00	20.00	20.00	0.283	0.283	1.00
22	10:05	1.00	1.110	1.00	20.00	20.00	0.493	0.493	1.00
23	9:46	1.00	1.075	1.00	20.00	20.00	0.436	0.436	1.00
24	10:43	1.00	1.180	1.00	20.00	20.00	0.859	0.859	1.00
25	9:34	1.00	1.053	1.00	20.00	20.00	0.257	0.257	1.00
26	12:25	1.00	1.367	1.00	20.00	20.00	0.344	0.344	1.00
27	11:36	1.00	1.277	1.00	20.00	20.00	0.325	0.325	1.00
28	8:53	1.00	0.978	1.00	20.00	20.00	1.283	1.283	1.00
29	11:20	1.00	1.248	1.00	20.00	20.00	0.455	0.455	1.00
30	10:19	1.00	1.136	1.00	20.00	20.00	0.241	0.241	1.00
31	14:45	1.00	1.624	1.00	20.00	20.00	0.288	0.288	1.00
32	11:31	1.00	0.870	1.00	20.00	20.00	0.355	0.355	1.00
33	10:23	1.00	0.783	1.00	20.00	20.00	0.137	0.137	1.00
34	12:07	1.00	0.916	1.00	20.00	20.00	0.170	0.170	1.00
35	14:51	1.00	1.122	1.00	20.00	20.00	0.625	0.625	1.00
36	11:12	1.00	0.846	1.00	20.00	20.00	0.746	0.746	1.00
[illegible]	13:16	1.00	1.005	1.00	20.00	20.00	0.874	0.874	1.00
[illegible]	13:13	1.00	1.008	1.00	20.00	20.00	0.478	0.478	1.00
39	14:09	1.00	1.065	1.00	20.00	20.00	0.970	0.970	1.00
40	13:25	1.00	1.014	1.00	20.00	20.00	0.590	0.590	1.00
41	16:59	1.00	1.283	1.00	20.00	20.00	0.648	0.648	1.00
42	18:00	1.00	1.360	1.00	20.00	20.00	0.637	0.637	1.00
43	17:11	1.00	1.298	1.00	20.00	20.00	0.855	0.855	1.00
44	8:41	1.00	1.074	1.00	50.00	50.00	3.764	3.764	1.00
45	11:06	1.00	0.839	1.00	50.00	50.00	0.999	0.999	1.00
46	15:02	1.00	1.136	1.00	50.00	50.00	0.548	0.548	1.00

UM 1-09-89

RI
01 10/9/89 8:55:00
SA VSTD50
CONDS.: M624/8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1.1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 3CS0109V050 #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3C50109U050

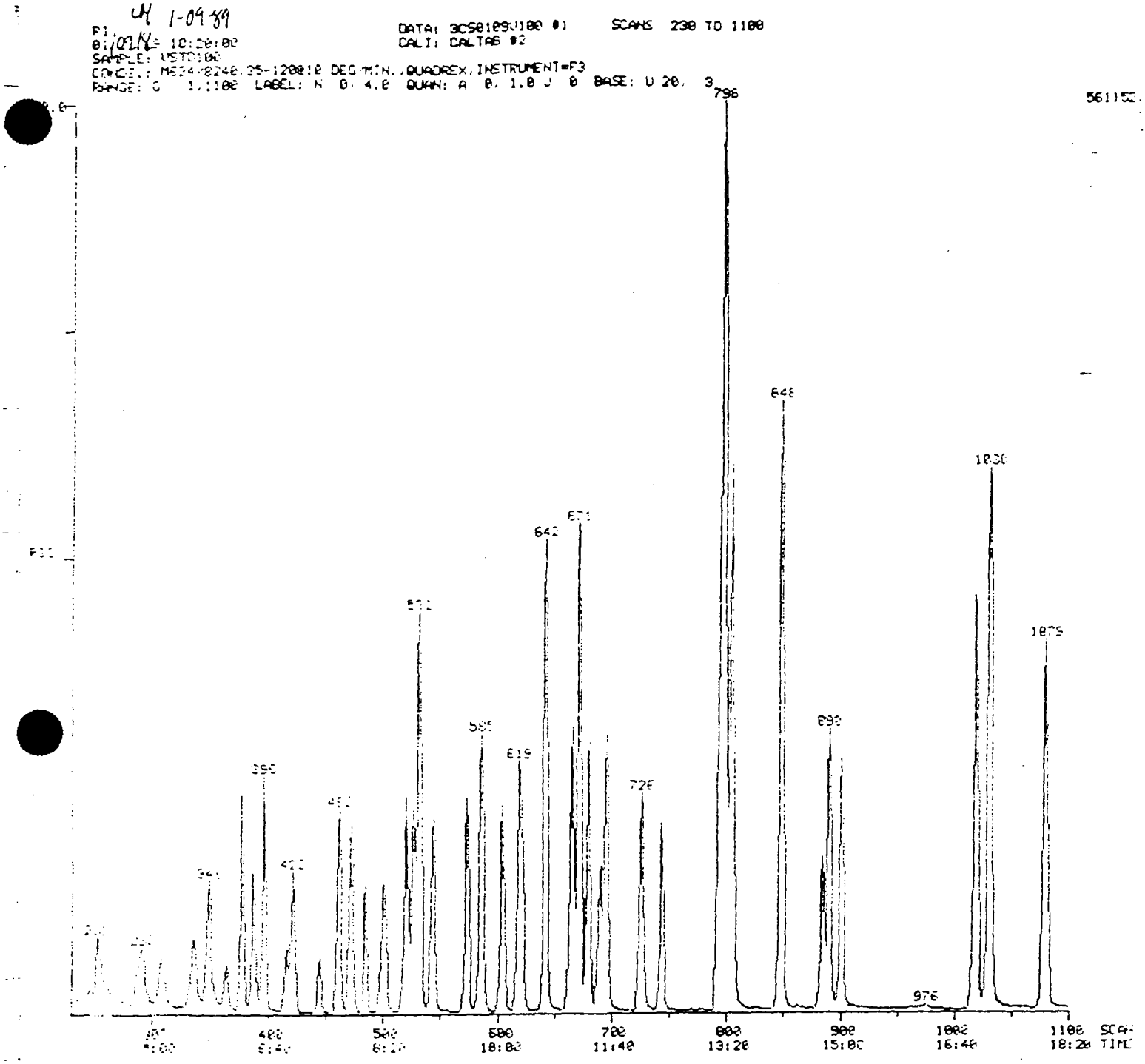
Data: 3C50109U050.TI
01/09/89 8:55:06
Sample: USTD50
Method: HP24/8240/35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	486	8:06	1	1.000	A BB	33092.	50.000 UG/L	2.17
2	114	545	9:05	2	1.000	A BB	253346.	50.000 UG/L	2.17
3	117	795	13:15	3	1.000	A?BB	261973.	50.000 UG/L	2.17
4	50	247	4:07	1	0.508	QEDT	64747.	50.000 UG/L	2.17
5	94	287	4:47	1	0.591	QEDT	43171.	50.000 UG/L	2.17
6	83	253	4:13	1	0.521	QEDT	89541.	50.000 UG/L	2.17
7	64	291	4:51	1	0.599	QEDT	44665.	50.000 UG/L	2.17
8	84	378	6:18	1	0.778	A BB	56223.	50.000 UG/L	2.17
9	43	337	5:37	1	0.693	QEDT	61131.	50.000 UG/L	2.17
10	101	308	5:05	1	0.636	QEDT	64083.	50.000 UG/L	2.17
11	78	367	6:27	1	0.796	A BB	172710.	50.000 UG/L	2.17
12	96	349	5:49	1	0.718	A BB	48772.	50.000 UG/L	2.17
13	63	423	7:03	1	0.870	A BB	142471.	50.000 UG/L	2.17
14	98	397	6:37	1	0.817	A BB	62425.	50.000 UG/L	2.17
15	83	473	7:53	1	0.973	A BB	118909.	50.000 UG/L	2.17
16	101	336	5:36	1	0.691	QEDT	43930.	50.000 UG/L	2.17
17	83	528	8:48	1	1.086	A BB	126944.	50.000 UG/L	2.17
18	72	446	7:26	2	0.818	A BB	9597.	50.000 UG/L	2.17
19	97	502	8:22	2	0.921	A BB	92890.	50.000 UG/L	2.17
20	117	522	8:42	2	0.958	A BB	67930.	50.000 UG/L	2.17
21	43	417	6:57	2	0.765	A BB	85633.	50.000 UG/L	2.17
22	83	605	10:05	2	1.110	A BB	116559.	50.000 UG/L	2.17
23	83	586	9:46	2	1.075	A BB	100256.	50.000 UG/L	2.17
24	75	643	10:43	2	1.180	A BB	203366.	50.000 UG/L	2.17
25	130	574	9:34	2	1.053	A BB	60033.	50.000 UG/L	2.17
26	129	745	12:25	2	1.367	QEDT	78691.	50.000 UG/L	2.17
27	57	696	11:36	2	1.277	A BB	72984.	50.000 UG/L	2.17
28	78	533	8:53	2	0.978	A BB	305285.	50.000 UG/L	2.17
29	75	681	11:21	2	1.250	A?BB	110621.	50.000 UG/L	2.17
30	83	620	10:20	2	1.138	A BB	59847.	50.000 UG/L	2.17
31	173	865	14:45	2	1.624	A BB	65949.	50.000 UG/L	2.17
32	43	651	11:31	3	0.869	A?BB	105383.	50.000 UG/L	2.17
33	58	632	10:22	3	0.782	A BB	40938.	50.000 UG/L	2.17
34	164	727	12:07	3	0.914	A BB	48176.	50.000 UG/L	2.17
35	83	891	14:51	3	1.121	A BB	174145.	50.000 UG/L	2.17
36	93	673	11:13	3	0.847	A BB	203253.	50.000 UG/L	2.17
37	113	798	13:18	3	1.004	A BB	207380.	50.000 UG/L	2.17
38	106	800	13:20	3	1.006	A?BB	124703.	50.000 UG/L	2.17
39	104	849	14:09	3	1.066	A BB	272453.	50.000 UG/L	2.17
40	106	806	13:26	3	1.014	A BB	142237.	50.000 UG/L	2.17
41	146	1019	16:59	3	1.282	A BB	174493.	50.000 UG/L	2.17
42	146	1080	18:00	3	1.358	A BB	164985.	50.000 UG/L	2.17
43	146	1031	17:11	3	1.297	A?BB	215979.	50.000 UG/L	2.17
44	65	522	8:42	1	1.074	A BB	124251.	50.000 UG/L	2.17
45	98	666	11:06	3	0.838	A BB	291151.	50.000 UG/L	2.17
46	95	902	15:02	3	1.135	A BB	160570.	50.000 UG/L	2.17

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:06	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	9:05	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	13:15	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	4:07	1.00	0.508	1.00	50.00	50.00	1.957	1.957	1.00
5	4:47	1.00	0.591	1.00	50.00	50.00	1.305	1.305	1.00
6	4:13	1.00	0.521	1.00	50.00	50.00	2.718	2.718	1.00
7	4:51	1.00	0.599	1.00	50.00	50.00	1.350	1.350	1.00
8	6:18	1.00	0.778	1.00	50.00	50.00	1.699	1.699	1.00



1-09-89
DATA: 3CS0109J100 #1
SCANS 230 TO 1100
CALI: CALTAB #2
SAMPLE: USTD100
CONDEL: M624/8240.35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: 0 1,1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
796
648
1030
1079
642
671
585
619
726
890
976
400
500
600
700
800
900
1000
1100
SCAN
TIME

Quantitation Report File: 3CS0109U100

Data: 3CS0109U100.TI
01/09/89 10:20:00
Sample: USTD100
Conds.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No.	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
9	5:37	1.00	0.693	1.00	50.00	50.00	1.847	1.847	1.00
10	5:09	1.00	0.636	1.00	50.00	50.00	1.937	1.937	1.00
11	6:27	1.00	0.796	1.00	50.00	50.00	5.219	5.219	1.00
12	5:49	1.00	0.718	1.00	50.00	50.00	1.474	1.474	1.00
13	7:03	1.00	0.870	1.00	50.00	50.00	4.305	4.305	1.00
14	6:37	1.00	0.817	1.00	50.00	50.00	1.887	1.887	1.00
15	7:53	1.00	0.973	1.00	50.00	50.00	3.593	3.593	1.00
16	5:36	1.00	0.691	1.00	50.00	50.00	1.328	1.328	1.00
17	8:48	1.00	1.086	1.00	50.00	50.00	3.836	3.836	1.00
18	7:26	1.00	0.818	1.00	50.00	50.00	0.038	0.038	1.00
19	8:22	1.00	0.921	1.00	50.00	50.00	0.367	0.367	1.00
20	8:42	1.00	0.958	1.00	50.00	50.00	0.268	0.268	1.00
21	6:57	1.00	0.765	1.00	50.00	50.00	0.338	0.338	1.00
22	10:05	1.00	1.110	1.00	50.00	50.00	0.460	0.460	1.00
23	9:46	1.00	1.075	1.00	50.00	50.00	0.396	0.396	1.00
24	10:43	1.00	1.180	1.00	50.00	50.00	0.803	0.803	1.00
25	9:34	1.00	1.053	1.00	50.00	50.00	0.237	0.237	1.00
26	12:25	1.00	1.367	1.00	50.00	50.00	0.311	0.311	1.00
27	11:36	1.00	1.277	1.00	50.00	50.00	0.268	0.268	1.00
28	8:53	1.00	0.976	1.00	50.00	50.00	1.205	1.205	1.00
29	11:21	1.00	1.250	1.00	50.00	50.00	0.437	0.437	1.00
30	10:20	1.00	1.138	1.00	50.00	50.00	0.236	0.236	1.00
31	14:45	1.00	1.624	1.00	50.00	50.00	0.260	0.260	1.00
32	11:31	1.00	0.869	1.00	50.00	50.00	0.402	0.402	1.00
33	10:22	1.00	0.782	1.00	50.00	50.00	0.156	0.156	1.00
34	12:07	1.00	0.914	1.00	50.00	50.00	0.164	0.164	1.00
35	14:51	1.00	1.121	1.00	50.00	50.00	0.665	0.665	1.00
36	11:13	1.00	0.847	1.00	50.00	50.00	0.776	0.776	1.00
37	13:16	1.00	1.004	1.00	50.00	50.00	0.752	0.752	1.00
38	13:20	1.00	1.006	1.00	50.00	50.00	0.476	0.476	1.00
39	14:09	1.00	1.069	1.00	50.00	50.00	1.040	1.040	1.00
40	13:26	1.00	1.014	1.00	50.00	50.00	0.543	0.543	1.00
41	16:59	1.00	1.283	1.00	50.00	50.00	0.666	0.666	1.00
42	16:00	1.00	1.358	1.00	50.00	50.00	0.630	0.630	1.00
43	17:11	1.00	1.297	1.00	50.00	50.00	0.824	0.824	1.00
44	8:47	1.00	1.074	1.00	50.00	50.00	3.755	3.755	1.00
45	11:06	1.00	0.838	1.00	50.00	50.00	1.111	1.111	1.00
46	15:03	1.00	1.135	1.00	50.00	50.00	0.613	0.613	1.00

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	484	8:04	1	1.000	A BB	24649.	50.000	UG/L	1.16
2	114	544	9:04	2	1.000	A BB	188918.	50.000	UG/L	1.16
3	117	794	13:14	3	1.000	A BB	220410.	50.000	UG/L	1.16
4	50	248	4:08	1	0.508	QEDT	69930.	100.000	UG/L	2.33
5	94	286	4:46	1	0.591	QEDT	60403.	100.000	UG/L	2.33
6	62	252	4:12	1	0.521	QEDT	118209.	100.000	UG/L	2.33
7	84	290	4:50	1	0.599	QEDT	62849.	100.000	UG/L	2.33
8	84	376	6:16	1	0.777	A?BB	77842.	100.000	UG/L	2.33
9	43	336	5:36	1	0.694	A BB	69933.	100.000	UG/L	2.33
10	101	308	5:08	1	0.636	QEDT	82113.	100.000	UG/L	2.33
11	76	386	6:26	1	0.798	A BB	234552.	100.000	UG/L	2.33
12	96	348	5:48	1	0.719	A BB	61725.	100.000	UG/L	2.33
13	63	422	7:02	1	0.872	A BB	199855.	100.000	UG/L	2.33
14	96	396	6:36	1	0.818	A BB	87585.	100.000	UG/L	2.33
15	83	472	7:52	1	0.975	A BB	172910.	100.000	UG/L	2.33
16	101	334	5:34	1	0.690	QEDT	61563.	100.000	UG/L	2.33
17	82	527	8:47	1	1.089	A BB	183656.	100.000	UG/L	2.33
18	72	445	7:25	2	0.818	A BB	13495.	100.000	UG/L	2.33
19	97	501	8:21	2	0.921	A?BV	130976.	100.000	UG/L	2.33
20	117	521	8:41	2	0.958	A BB	93368.	100.000	UG/L	2.33
21	43	416	6:56	2	0.765	A BB	122221.	100.000	UG/L	2.33
22	83	604	10:04	2	1.110	A BB	167587.	100.000	UG/L	2.33
23	63	585	9:45	2	1.075	A BB	144931.	100.000	UG/L	2.33
24	75	642	10:42	2	1.180	A?BB	297915.	100.000	UG/L	2.33
25	130	573	9:33	2	1.053	A BB	85299.	100.000	UG/L	2.33
26	129	744	12:24	2	1.368	A BB	123227.	100.000	UG/L	2.33
27	97	695	11:35	2	1.278	A BB	111254.	100.000	UG/L	2.33
28	78	532	8:52	2	0.978	A BB	437146.	100.000	UG/L	2.33
29	75	680	11:20	2	1.250	A BB	160317.	100.000	UG/L	2.33
30	63	618	10:18	2	1.136	A BB	90061.	100.000	UG/L	2.33
31	173	854	14:44	2	1.625	A BB	94851.	100.000	UG/L	2.33
32	43	650	11:30	3	0.869	A BB	163803.	100.000	UG/L	2.33
33	58	621	10:21	3	0.782	A BB	60863.	100.000	UG/L	2.33
34	164	726	12:06	3	0.914	A BB	66351.	100.000	UG/L	2.33
35	83	890	14:50	3	1.121	A BB	242793.	100.000	UG/L	2.33
36	52	671	11:11	3	0.845	A BB	297014.	100.000	UG/L	2.33
37	112	797	13:17	3	1.004	A?BV	327130.	100.000	UG/L	2.33
38	108	799	13:19	3	1.006	A?BV	196643.	100.000	UG/L	2.33
39	104	848	14:08	3	1.068	A BB	403029.	100.000	UG/L	2.33
40	106	805	13:25	3	1.014	A BB	250536.	100.000	UG/L	2.33
41	148	1018	16:58	3	1.282	A BB	265125.	100.000	UG/L	2.33
42	148	1079	17:59	3	1.359	A?BB	259900.	100.000	UG/L	2.33
43	148	1030	17:10	3	1.297	A?BB	336343.	100.000	UG/L	2.33
44	65	520	8:40	1	1.074	A BB	94950.	50.000	UG/L	1.16
45	98	665	11:05	3	0.838	A BB	222582.	50.000	UG/L	1.16
46	95	901	15:01	3	1.135	A BB	119742.	50.000	UG/L	1.16

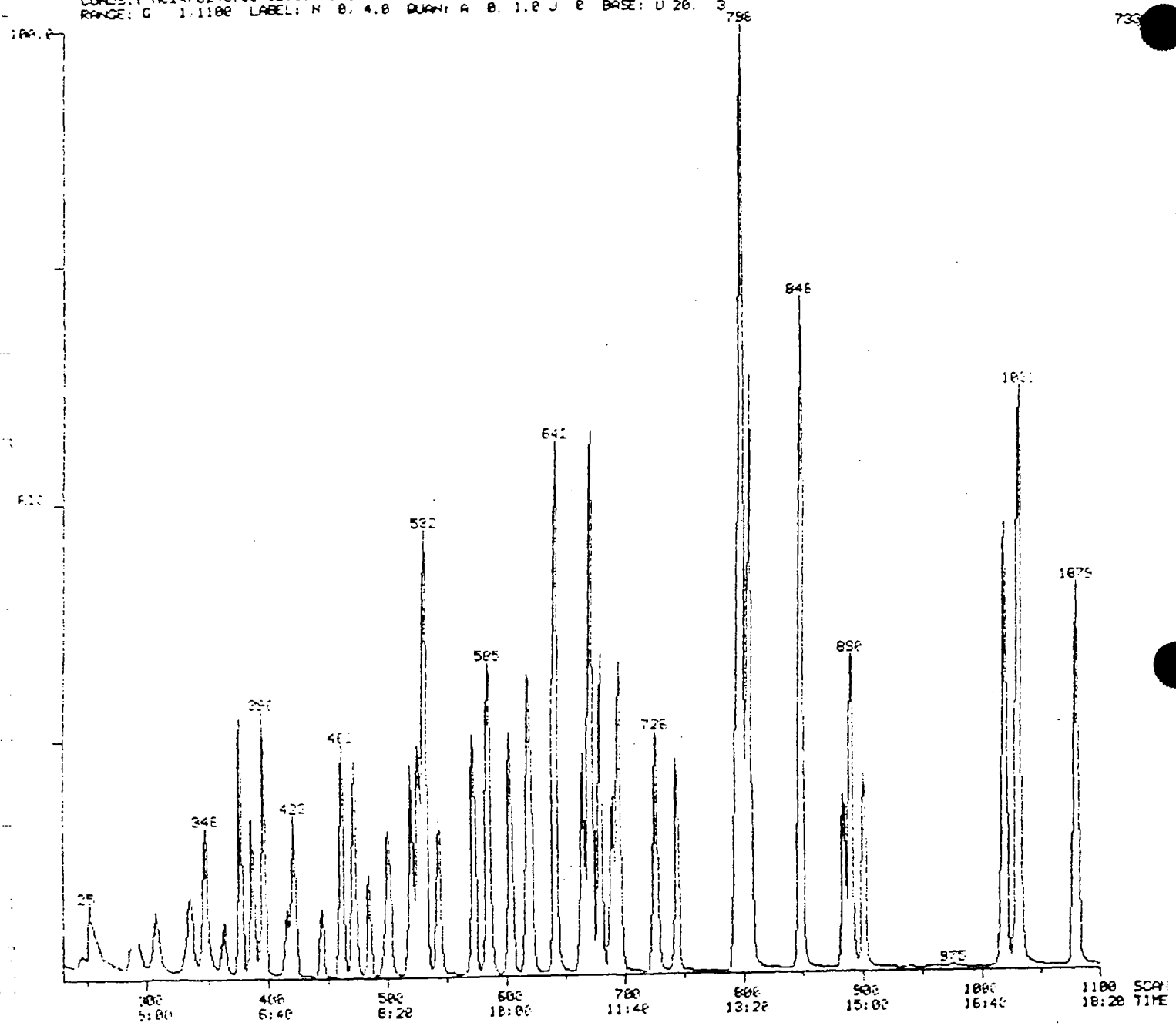
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:04	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	9:04	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	13:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	4:08	1.00	0.508	1.00	100.00	100.00	1.419	1.419	1.00
5	4:46	1.00	0.591	1.00	100.00	100.00	1.225	1.225	1.00
6	4:12	1.00	0.521	1.00	100.00	100.00	2.398	2.398	1.00
7	4:50	1.00	0.599	1.00	100.00	100.00	1.275	1.275	1.00
8	6:16	1.00	0.777	1.00	100.00	100.00	1.579	1.579	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
9	5:36	1.00	0.694	1.00	100.00	100.00	1.419	1.419	1.00
10	5:08	1.00	0.636	1.00	100.00	100.00	1.666	1.666	1.00
11	6:26	1.00	0.798	1.00	100.00	100.00	4.758	4.758	1.00
12	5:48	1.00	0.719	1.00	100.00	100.00	1.252	1.252	1.00
13	7:02	1.00	0.872	1.00	100.00	100.00	4.054	4.054	1.00
14	6:36	1.00	0.818	1.00	100.00	100.00	1.777	1.777	1.00
15	7:52	1.00	0.975	1.00	100.00	100.00	3.507	3.507	1.00
16	5:34	1.00	0.690	1.00	100.00	100.00	1.257	1.257	1.00
17	8:47	1.00	1.089	1.00	100.00	100.00	3.725	3.725	1.00
18	7:35	1.00	0.818	1.00	100.00	100.00	0.036	0.036	1.00
19	8:21	1.00	0.921	1.00	100.00	100.00	0.347	0.347	1.00
20	8:41	1.00	0.958	1.00	100.00	100.00	0.247	0.247	1.00
21	6:56	1.00	0.765	1.00	100.00	100.00	0.323	0.323	1.00
22	10:04	1.00	1.110	1.00	100.00	100.00	0.444	0.444	1.00
23	9:45	1.00	1.075	1.00	100.00	100.00	0.384	0.384	1.00
24	10:42	1.00	1.180	1.00	100.00	100.00	0.788	0.788	1.00
25	9:39	1.00	1.053	1.00	100.00	100.00	0.226	0.226	1.00
26	12:24	1.00	1.368	1.00	100.00	100.00	0.326	0.326	1.00
27	11:35	1.00	1.278	1.00	100.00	100.00	0.294	0.294	1.00
28	8:52	1.00	0.978	1.00	100.00	100.00	1.157	1.157	1.00
29	11:20	1.00	1.250	1.00	100.00	100.00	0.424	0.424	1.00
30	10:18	1.00	1.136	1.00	100.00	100.00	0.238	0.238	1.00
31	14:44	1.00	1.625	1.00	100.00	100.00	0.251	0.251	1.00
32	11:30	1.00	0.869	1.00	100.00	100.00	0.371	0.371	1.00
33	10:31	1.00	0.782	1.00	100.00	100.00	0.138	0.138	1.00
34	12:06	1.00	0.914	1.00	100.00	100.00	0.155	0.155	1.00
35	14:50	1.00	1.121	1.00	100.00	100.00	0.551	0.551	1.00
[illegible]	11:11	1.00	0.845	1.00	100.00	100.00	0.674	0.674	1.00
[illegible]	13:17	1.00	1.004	1.00	100.00	100.00	0.742	0.742	1.00
38	13:19	1.00	1.006	1.00	100.00	100.00	0.446	0.446	1.00
39	14:08	1.00	1.066	1.00	100.00	100.00	0.914	0.914	1.00
40	13:35	1.00	1.014	1.00	100.00	100.00	0.568	0.568	1.00
41	16:59	1.00	1.282	1.00	100.00	100.00	0.601	0.601	1.00
42	17:59	1.00	1.359	1.00	100.00	100.00	0.590	0.590	1.00
43	17:10	1.00	1.297	1.00	100.00	100.00	0.763	0.763	1.00
44	8:40	1.00	1.074	1.00	50.00	50.00	3.852	3.852	1.00
47	11:05	1.00	0.838	1.00	50.00	50.00	1.010	1.010	1.00
48	15:01	1.00	1.135	1.00	50.00	50.00	0.543	0.543	1.00

UH 1-09-89

RI
01/09/89 10:50:00
SAMPLE: VSTD150
CONDS.: ME24/8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F2
RANGE: G 1:1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 3CS0109U150 #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3C50109V150

Data: 3C50109V150.TI
01/09/89 10:50:00
Sample: VSTD150
Conds.: M624 8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

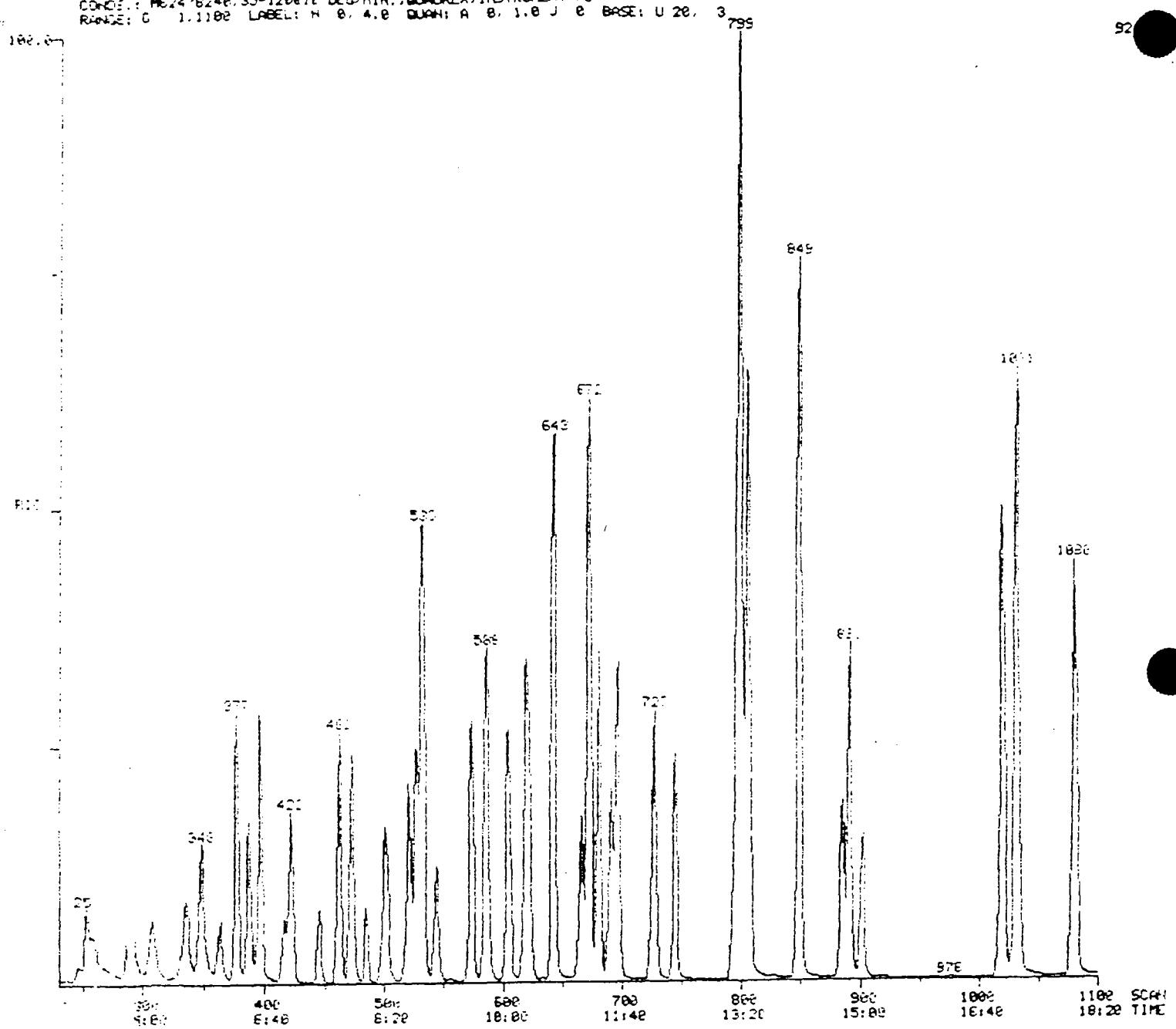
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	465	8:05	1	1.000	A BB	24787.	50.000 UG/L	0.79
2	114	544	9:04	2	1.000	A BB	186652.	50.000 UG/L	0.79
3	117	794	13:14	3	1.000	A BB	203682.	50.000 UG/L	0.79
4	59	246	4:06	1	0.507	QEDT	88314.	150.000 UG/L	2.38
5	94	286	4:46	1	0.590	QEDT	81263.	150.000 UG/L	2.38
6	62	252	4:12	1	0.520	QEDT	147277.	150.000 UG/L	2.38
7	64	290	4:50	1	0.598	QEDT	87190.	150.000 UG/L	2.38
8	84	377	6:17	1	0.777	A BB	110934.	150.000 UG/L	2.38
9	43	336	5:36	1	0.693	A BB	96922.	150.000 UG/L	2.38
10	101	308	5:08	1	0.635	QEDT	115388.	150.000 UG/L	2.38
11	76	356	6:26	1	0.796	A BB	335795.	150.000 UG/L	2.38
12	58	348	5:48	1	0.718	A BB	87368.	150.000 UG/L	2.38
13	59	422	7:02	1	0.870	A?BB	282184.	150.000 UG/L	2.38
14	96	390	6:36	1	0.816	A?BB	124258.	150.000 UG/L	2.38
15	83	472	7:52	1	0.973	A BB	246585.	150.000 UG/L	2.38
16	101	334	5:34	1	0.689	QEDT	87250.	150.000 UG/L	2.38
17	82	527	8:47	1	1.087	A BB	265108.	150.000 UG/L	2.38
18	72	447	7:25	2	0.818	A BB	20195.	150.000 UG/L	2.38
19	87	501	8:21	2	0.921	A BB	186332.	150.000 UG/L	2.38
20	117	521	8:41	2	0.958	A BB	130919.	150.000 UG/L	2.38
21	43	416	6:56	2	0.765	A?BB	164265.	150.000 UG/L	2.38
22	83	604	10:04	2	1.110	A BB	244666.	150.000 UG/L	2.38
23	69	577	9:45	2	1.075	A?BB	207168.	150.000 UG/L	2.38
24	78	642	10:42	2	1.180	A BB	425285.	150.000 UG/L	2.38
25	139	573	9:33	2	1.053	A BB	122387.	150.000 UG/L	2.38
26	126	744	12:24	2	1.368	A BB	177037.	150.000 UG/L	2.38
27	97	695	11:35	2	1.278	A BB	158717.	150.000 UG/L	2.38
28	79	532	8:52	2	0.978	A BB	621505.	150.000 UG/L	2.38
29	79	680	11:20	2	1.250	A BB	232017.	150.000 UG/L	2.38
30	83	618	10:18	2	1.136	A BB	135869.	150.000 UG/L	2.38
31	179	884	14:44	2	1.625	A BB	138331.	150.000 UG/L	2.38
32	49	650	11:30	3	0.869	A BB	248988.	150.000 UG/L	2.38
33	58	621	10:21	3	0.782	A BB	94795.	150.000 UG/L	2.38
34	164	736	12:06	3	0.914	A?BV	96579.	150.000 UG/L	2.38
35	83	890	14:50	3	1.121	A BB	360664.	150.000 UG/L	2.38
36	93	672	11:12	3	0.846	A?BB	412461.	150.000 UG/L	2.38
37	112	797	13:17	3	1.004	A BB	432003.	150.000 UG/L	2.38
38	106	799	13:19	3	1.006	A?BV	254300.	150.000 UG/L	2.38
39	104	848	14:08	3	1.068	A BB	570255.	150.000 UG/L	2.38
40	106	805	13:25	3	1.014	A BB	323664.	150.000 UG/L	2.38
41	146	1019	16:59	3	1.283	A?BB	341474.	150.000 UG/L	2.38
42	146	1079	17:59	3	1.359	A BB	350278.	150.000 UG/L	2.38
43	146	1031	17:11	3	1.296	A?BB	444205.	150.000 UG/L	2.38
44	65	521	8:41	1	1.074	A BB	95655.	50.000 UG/L	0.79
45	98	665	11:05	3	0.838	A BB	216157.	50.000 UG/L	0.79
46	95	901	15:01	3	1.135	A BB	120409.	50.000 UG/L	0.79

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:05	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	9:04	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	13:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	4:06	1.00	0.507	1.00	150.00	150.00	1.188	1.188	1.00
5	4:46	1.00	0.590	1.00	150.00	150.00	1.093	1.093	1.00
6	4:12	1.00	0.520	1.00	150.00	150.00	1.981	1.981	1.00
7	4:50	1.00	0.598	1.00	150.00	150.00	1.173	1.173	1.00
8	6:17	1.00	0.777	1.00	150.00	150.00	1.492	1.492	1.00

No	Rt(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
9	5:38	1.00	0.693	1.00	150.00	150.00	1.303	1.303	1.00
10	5:08	1.00	0.635	1.00	150.00	150.00	1.552	1.552	1.00
11	6:28	1.00	0.796	1.00	150.00	150.00	4.516	4.516	1.00
12	5:48	1.00	0.718	1.00	150.00	150.00	1.175	1.175	1.00
13	7:03	1.00	0.870	1.00	150.00	150.00	3.795	3.795	1.00
14	6:36	1.00	0.816	1.00	150.00	150.00	1.672	1.672	1.00
15	7:52	1.00	0.973	1.00	150.00	150.00	3.316	3.316	1.00
16	5:34	1.00	0.689	1.00	150.00	150.00	1.173	1.173	1.00
17	8:47	1.00	1.087	1.00	150.00	150.00	3.565	3.565	1.00
18	7:35	1.00	0.816	1.00	150.00	150.00	0.036	0.036	1.00
19	8:01	1.00	0.921	1.00	150.00	150.00	0.333	0.333	1.00
20	8:41	1.00	0.958	1.00	150.00	150.00	0.234	0.234	1.00
21	6:56	1.00	0.765	1.00	150.00	150.00	0.293	0.293	1.00
22	10:04	1.00	1.110	1.00	150.00	150.00	0.437	0.437	1.00
23	9:45	1.00	1.075	1.00	150.00	150.00	0.370	0.370	1.00
24	10:42	1.00	1.180	1.00	150.00	150.00	0.759	0.759	1.00
25	9:33	1.00	1.053	1.00	150.00	150.00	0.219	0.219	1.00
26	12:24	1.00	1.365	1.00	150.00	150.00	0.316	0.316	1.00
27	11:35	1.00	1.276	1.00	150.00	150.00	0.283	0.283	1.00
28	8:52	1.00	0.978	1.00	150.00	150.00	1.110	1.110	1.00
29	11:30	1.00	1.250	1.00	150.00	150.00	0.414	0.414	1.00
30	10:18	1.00	1.136	1.00	150.00	150.00	0.243	0.243	1.00
31	14:44	1.00	1.625	1.00	150.00	150.00	0.247	0.247	1.00
32	11:30	1.00	0.889	1.00	150.00	150.00	0.407	0.407	1.00
33	10:21	1.00	0.782	1.00	150.00	150.00	0.155	0.155	1.00
34	13:00	1.00	0.914	1.00	150.00	150.00	0.158	0.158	1.00
35	14:50	1.00	1.131	1.00	150.00	150.00	0.590	0.590	1.00
36	11:10	1.00	0.845	1.00	150.00	150.00	0.675	0.675	1.00
37	13:17	1.00	1.004	1.00	150.00	150.00	0.707	0.707	1.00
38	13:13	1.00	1.006	1.00	150.00	150.00	0.416	0.416	1.00
39	14:00	1.00	1.069	1.00	150.00	150.00	0.933	0.933	1.00
40	13:24	1.00	1.014	1.00	150.00	150.00	0.530	0.530	1.00
41	16:59	1.00	1.283	1.00	150.00	150.00	0.559	0.559	1.00
42	17:50	1.00	1.359	1.00	150.00	150.00	0.573	0.573	1.00
43	17:11	1.00	1.298	1.00	150.00	150.00	0.727	0.727	1.00
44	8:41	1.00	1.074	1.00	50.00	50.00	3.859	3.859	1.00
45	11:05	1.00	0.938	1.00	50.00	50.00	1.061	1.061	1.00
46	15:0[illegible]	1.00	1.135	1.00	50.00	50.00	0.591	0.591	1.00

RI. UH 1-09-89
01/09/89 11:19:00
SAMPLE: VSTD200
CONDS.: M624/8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1,1100 LABEL: H 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 3CS0109V200 #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3C50109V200

Data: 3C50109V200.TI
01/09/89 11:19:00
Sample: USTD200
Cond.: MC24/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. Fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
[illegible]	1,2-DICHLOROETHANE	
[illegible]	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROBENZENE	
[illegible]	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	129	485	8:05	1	1.000	A BB	22892.	50.000	UG/L	0.60
2	114	544	9:04	2	1.000	A BB	179341.	50.000	UG/L	0.60
3	117	794	13:14	3	1.000	A BB	196498.	50.000	UG/L	0.60
4	50	248	4:06	1	0.507	QEDT	92306.	200.000	UG/L	2.41
5	94	287	4:47	1	0.592	QEDT	101556.	200.000	UG/L	2.41
6	63	253	4:13	1	0.522	QEDT	180729.	200.000	UG/L	2.41
7	64	290	4:50	1	0.598	QEDT	108847.	200.000	UG/L	2.41
8	94	377	6:17	1	0.777	A BB	149328.	200.000	UG/L	2.41
9	47	337	5:37	1	0.695	A BB	125121.	200.000	UG/L	2.41
10	101	305	5:09	1	0.635	QEDT	152283.	200.000	UG/L	2.41
11	76	387	6:27	1	0.798	A BB	428330.	200.000	UG/L	2.41
12	96	348	5:48	1	0.718	A BB	111895.	200.000	UG/L	2.41
13	63	422	7:02	1	0.870	A BB	379337.	200.000	UG/L	2.41
14	95	396	6:36	1	0.816	A BB	167291.	200.000	UG/L	2.41
15	89	472	7:52	1	0.973	A?BV	336395.	200.000	UG/L	2.41
16	101	395	5:35	1	0.691	QEDT	117511.	200.000	UG/L	2.41
17	52	537	8:47	1	1.087	A BB	353299.	200.000	UG/L	2.41
18	73	445	7:25	2	0.818	A BB	28207.	200.000	UG/L	2.41
19	97	501	8:21	2	0.921	A BB	250465.	200.000	UG/L	2.41
20	117	521	8:41	2	0.958	A BB	177530.	200.000	UG/L	2.41
21	43	417	6:57	2	0.767	A?BV	197764.	200.000	UG/L	2.41
22	83	605	10:05	2	1.112	A BB	333257.	200.000	UG/L	2.41
23	83	586	9:46	2	1.077	A?BB	279982.	200.000	UG/L	2.41
24	75	642	10:42	2	1.180	A BB	579791.	200.000	UG/L	2.41
25	130	573	9:33	2	1.053	A BB	167944.	200.000	UG/L	2.41
26	129	745	12:25	2	1.369	A BB	239115.	200.000	UG/L	2.41
27	97	696	11:36	2	1.279	A BB	213357.	200.000	UG/L	2.41
28	72	530	8:52	2	0.978	A BB	835190.	200.000	UG/L	2.41
29	75	680	11:20	2	1.250	A BB	310887.	200.000	UG/L	2.41
30	63	619	10:19	2	1.138	A?VV	183509.	200.000	UG/L	2.41
31	173	885	14:45	2	1.627	A BB	181917.	200.000	UG/L	2.41
32	43	650	11:30	3	0.869	A BB	351924.	200.000	UG/L	2.41
33	56	622	10:22	3	0.763	A BB	132566.	200.000	UG/L	2.41
34	164	727	12:07	3	0.916	A BB	133929.	200.000	UG/L	2.41
35	83	891	14:51	3	1.122	A BB	470841.	200.000	UG/L	2.41
36	92	672	11:12	3	0.846	A?BB	560239.	200.000	UG/L	2.41
37	112	798	13:18	3	1.005	A?BB	570749.	200.000	UG/L	2.41
38	106	799	13:19	3	1.006	A?BV	321621.	200.000	UG/L	2.41
39	104	849	14:09	3	1.069	A?BB	775588.	200.000	UG/L	2.41
40	106	805	13:25	3	1.014	A?VB	454674.	200.000	UG/L	2.41
41	146	1019	16:59	3	1.283	A?BB	457096.	200.000	UG/L	2.41
42	146	1080	18:00	3	1.360	A?BB	468347.	200.000	UG/L	2.41
43	146	1031	17:11	3	1.298	A?BB	591249.	200.000	UG/L	2.41
44	65	521	8:41	1	1.074	A BB	89584.	50.000	UG/L	0.60
45	98	665	11:05	3	0.838	A BB	209939.	50.000	UG/L	0.60
46	95	902	15:02	3	1.136	A BB	115627.	50.000	UG/L	0.60

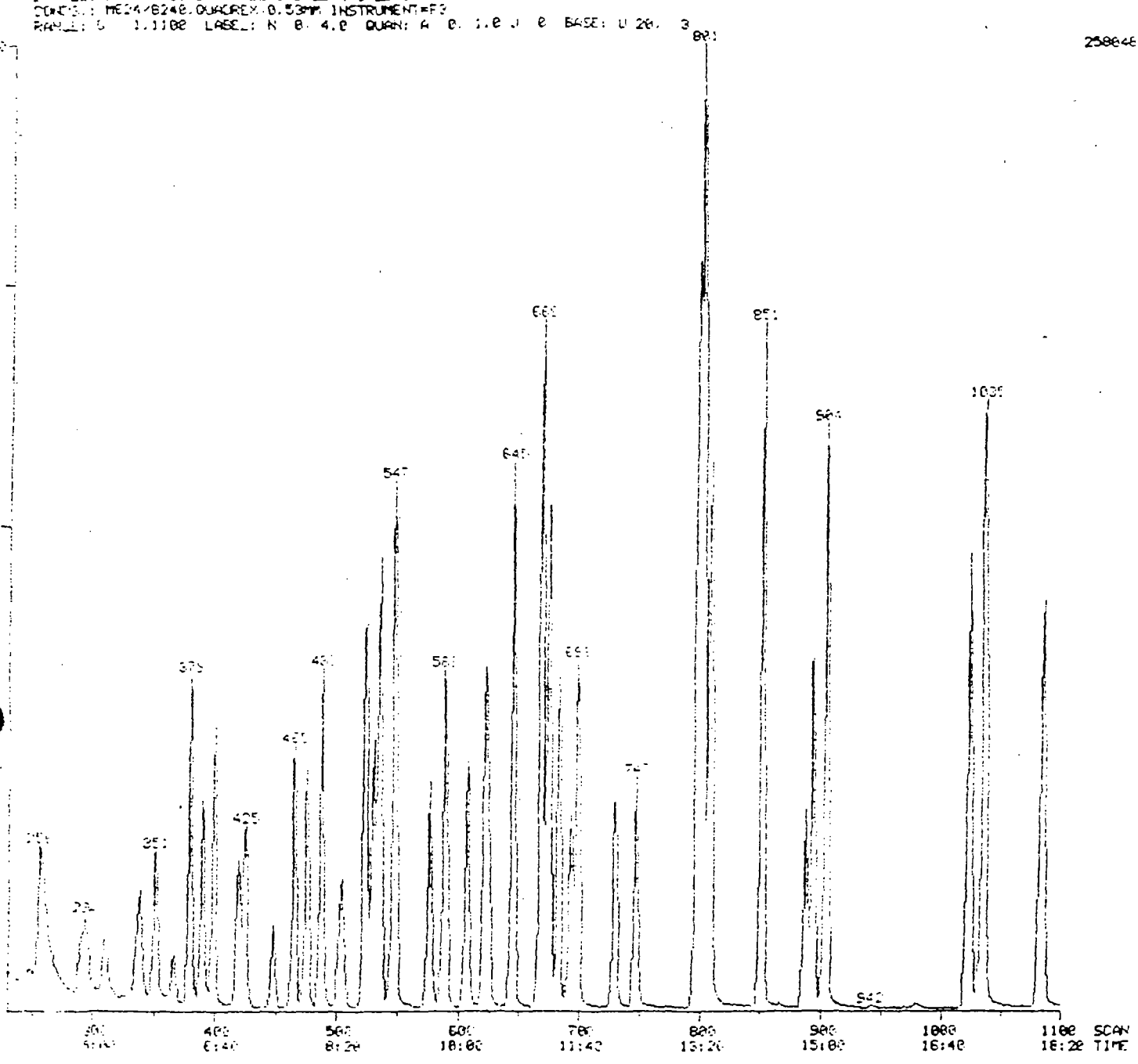
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:05	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	9:04	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	13:14	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	4:06	1.00	0.507	1.00	200.00	200.00	1.008	1.008	1.00
5	4:47	1.00	0.592	1.00	200.00	200.00	1.109	1.109	1.00
6	4:13	1.00	0.522	1.00	200.00	200.00	1.974	1.974	1.00
7	4:50	1.00	0.598	1.00	200.00	200.00	1.189	1.189	1.00
8	6:17	1.00	0.777	1.00	200.00	200.00	1.631	1.631	1.00

No	Ret(L)	Ratio	RFT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
9	5:37	1.00	0.695	1.00	200.00	200.00	1.366	1.366	1.00
10	5:08	1.00	0.635	1.00	200.00	200.00	1.663	1.663	1.00
11	6:27	1.00	0.798	1.00	200.00	200.00	4.678	4.678	1.00
12	5:48	1.00	0.718	1.00	200.00	200.00	1.222	1.222	1.00
13	7:02	1.00	0.870	1.00	200.00	200.00	4.143	4.143	1.00
14	6:36	1.00	0.816	1.00	200.00	200.00	1.827	1.827	1.00
15	7:52	1.00	0.973	1.00	200.00	200.00	3.674	3.674	1.00
16	5:35	1.00	0.691	1.00	200.00	200.00	1.283	1.283	1.00
17	8:47	1.00	1.067	1.00	200.00	200.00	3.858	3.856	1.00
18	7:29	1.00	0.818	1.00	200.00	200.00	0.039	0.039	1.00
19	8:21	1.00	0.921	1.00	200.00	200.00	0.349	0.349	1.00
20	8:41	1.00	0.958	1.00	200.00	200.00	0.247	0.247	1.00
21	6:57	1.00	0.767	1.00	200.00	200.00	0.276	0.276	1.00
22	10:06	1.00	1.112	1.00	200.00	200.00	0.465	0.465	1.00
23	9:45	1.00	1.077	1.00	200.00	200.00	0.390	0.390	1.00
24	10:41	1.00	1.180	1.00	200.00	200.00	0.808	0.808	1.00
25	9:53	1.00	1.053	1.00	200.00	200.00	0.234	0.234	1.00
26	13:25	1.00	1.369	1.00	200.00	200.00	0.333	0.333	1.00
27	11:35	1.00	1.279	1.00	200.00	200.00	0.297	0.297	1.00
28	8:53	1.00	0.978	1.00	200.00	200.00	1.164	1.164	1.00
29	11:20	1.00	1.250	1.00	200.00	200.00	0.433	0.433	1.00
30	10:19	1.00	1.139	1.00	200.00	200.00	0.256	0.256	1.00
31	14:41	1.00	1.627	1.00	200.00	200.00	0.254	0.254	1.00
32	11:30	1.00	0.869	1.00	200.00	200.00	0.448	0.448	1.00
33	10:27	1.00	0.783	1.00	200.00	200.00	0.169	0.169	1.00
34	12:07	1.00	0.916	1.00	200.00	200.00	0.170	0.170	1.00
35	14:51	1.00	1.122	1.00	200.00	200.00	0.599	0.599	1.00
36	11:12	1.00	0.846	1.00	200.00	200.00	0.713	0.713	1.00
[illegible]	13:18	1.00	1.005	1.00	200.00	200.00	0.726	0.726	1.00
[illegible]	13:19	1.00	1.008	1.00	200.00	200.00	0.409	0.409	1.00
39	14:09	1.00	1.069	1.00	200.00	200.00	0.987	0.987	1.00
40	13:25	1.00	1.014	1.00	200.00	200.00	0.578	0.578	1.00
41	16:59	1.00	1.283	1.00	200.00	200.00	0.582	0.582	1.00
42	18:00	1.00	1.360	1.00	200.00	200.00	0.596	0.596	1.00
43	17:11	1.00	1.298	1.00	200.00	200.00	0.752	0.752	1.00
44	8:41	1.00	1.074	1.00	50.00	50.00	3.913	3.913	1.00
45	11:05	1.00	0.838	1.00	50.00	50.00	1.068	1.068	1.00
46	15:02	1.00	1.136	1.00	50.00	50.00	0.588	0.588	1.00

SECTION II-4.

F1
01 [illegible] 10:58:00
SAMPLE: STD 50 UG/L---A=2273/B=2274/C=2278/X=1080F
CONDS.: ME24/8240.QUADREX.0.53MM INSTRUMENT=F3
RANGE: 5 1.1100 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

DATA: 3CS0120V050 #1 SCANS 230 TO 1100
CALI: 3CR01090V02 #3



Quantitation Report File: 3C50120V050

Data: 3C50120V050.TI
01/20/89 10:58:00
Sample: STD 50 UG/L---A=2273/B=2274/C=2278/X=1080F
Comm.: MB24/6240,QUADREX,0.53MM INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No.	Name		
1	(IS1)		BROMOCHLOROMETHANE
2	(IS2)		1,4-DIFLUOROBENZENE
3	(IS3)		CHLOROBENZENE-D5
4	(SU1)	SURROGATE	D4-1,2-DICHLOROETHANE
5	(SU2)	SURROGATE	TOLUENE-D8
6	(SU3)	SURROGATE	P-BROMOFLUOROBENZENE
7	CHLOROMETHANE		
8	VINYL CHLORIDE		
9	BROMOMETHANE		
10	CHLOROETHANE		
11	TRICHLOROFLUOROMETHANE		
12	1,1-DICHLOROETHENE		
13	TRICHLOROTRIFLUOROETHANE		
14	ACETONE		
15	CARBONDISULFIDE		
16	METHYLENE CHLORIDE		
17	TRANS-1,2-DICHLOROETHENE		
18	(1,1)-DICHLOROETHANE		
19	2-BUTANONE		
20	CIS-1,2-DICHLOROETHENE		
21	CHLOROFORM		
22	1,1,1-TRICHLOROETHANE		
23	CARBON TETRACHLORIDE		
24	BENZENE		
25	1,2-DICHLOROETHANE		
26	TRICHLOROETHENE		
27	1,2-DICHLOROPROPANE		
28	BROMODICHLOROMETHANE		
29	2-CHLOROETHYLVINYL ETHER		
30	VINYL ACETATE		
31	CIS-1,3-DICHLOROPROPENE		
32	4-METHYL-2-PENTANONE		
33	TOLUENE		
34	TRANS-1,3-DICHLOROPROPENE		
35	1,1,2,-TRICHLOROETHANE		
36	TETRACHLOROETHENE		
37	2-HEXANONE		
38	DIBROMOCHLOROMETHANE		
39	CHLOROBENZENE		
40	ETHYLBENZENE		
41	TOTAL XYLENES		
42	STYRENE		
43	BROMOFORM		
44	1,1,2,2-TETRACHLOROETHANE		
45	1,3-DICHLOROBENZENE		
46	1,4-DICHLOROBENZENE		
47	1,2-DICHLOROBENZENE		

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	488	8:08	1	1.000	A BB	27571.	50.000 UG/L	2.00
2	114	547	9:07	2	1.000	A BB	216546.	50.000 UG/L	2.00
3	117	797	13:17	3	1.000	A BB	216289.	50.000 UG/L	2.00
4	65	534	8:44	1	1.074	A BB	107885.	100.000 %	4.00
5	98	669	11:09	2	1.221	A BB	229429.	100.000 %	4.00
6	95	904	15:04	3	1.134	A VB	119204.	100.000 %	4.00
7	50	249	4:09	1	0.510	M XX	37857.	50.000 UG/L	2.00
8	82	255	4:15	1	0.523	M XX	68783.	50.000 UG/L	2.00
9	94	289	4:49	1	0.592	A BB	35654.	50.000 UG/L	2.00
10	64	293	4:53	1	0.600	M XX	34312.	50.000 UG/L	2.00
11	101	310	5:10	1	0.635	M XX	43166.	50.000 UG/L	2.00
12	98	350	5:50	1	0.717	A BB	32169.	50.000 UG/L	2.00
13	101	337	5:37	1	0.691	M XX	30080.	50.000 UG/L	2.00
14	43	338	5:38	1	0.693	A BB	42210.	50.000 UG/L	2.00
15	78	389	6:29	1	0.797	A BB	142220.	50.000 UG/L	2.00
16	84	379	6:19	1	0.777	A BB	45872.	50.000 UG/L	2.00
17	98	399	6:39	1	0.818	A BB	46247.	50.000 UG/L	2.00
18	63	425	7:05	1	0.871	A BB	108866.	50.000 UG/L	2.00
19	43	448	7:28	1	0.919	A BB	59424.	50.000 UG/L	2.00
20	98	455	7:45	1	0.553	A BV	52550.	50.000 UG/L	2.00
21	82	475	7:55	1	0.973	A BB	92383.	50.000 UG/L	2.00
22	97	504	8:24	1	1.033	A BB	55864.	50.000 UG/L	2.00
23	117	524	8:44	1	1.074	A BB	37634.	50.000 UG/L	2.00
24	70	535	8:55	2	0.978	A BB	210411.	50.000 UG/L	2.00
25	62	530	8:50	2	0.969	A BB	103400.	50.000 UG/L	2.00
26	130	576	9:36	2	1.053	A BB	39734.	50.000 UG/L	2.00
27	62	588	9:48	2	1.075	A BB	74094.	50.000 UG/L	2.00
28	93	607	10:07	2	1.110	A BB	83155.	50.000 UG/L	2.00
29	62	621	10:21	2	1.135	A BB	52510.	50.000 UG/L	2.00
30	43	419	8:59	2	0.766	A VB	120121.	50.000 UG/L	2.00
31	79	645	10:45	2	1.179	A BB	148174.	50.000 UG/L	2.00
32	56	624	10:24	2	1.141	A BB	33162.	50.000 UG/L	2.00
33	92	675	11:15	2	1.234	A BV	130285.	50.000 UG/L	2.00
34	75	683	11:23	3	0.857	A VB	78751.	50.000 UG/L	2.00
35	97	698	11:38	3	0.870	A BV	59107.	50.000 UG/L	2.00
36	164	729	12:09	3	0.915	A BV	29361.	50.000 UG/L	2.00
37	43	693	11:33	3	0.870	A BB	89284.	50.000 UG/L	2.00
38	139	747	12:27	3	0.937	A BB	64713.	50.000 UG/L	2.00
39	112	800	13:20	3	1.004	A BB	152535.	50.000 UG/L	2.00
40	106	802	13:22	3	1.006	A BV	77051.	50.000 UG/L	2.00
41	100	808	13:28	3	1.014	A VB	90908.	50.000 UG/L	2.00
42	104	851	14:11	3	1.066	A BB	194979.	50.000 UG/L	2.00
43	173	887	14:47	3	1.113	A BV	54708.	50.000 UG/L	2.00
44	81	894	14:54	3	1.122	A BB	131362.	50.000 UG/L	2.00
45	140	1022	17:02	3	1.282	A BV	130680.	50.000 UG/L	2.00
46	148	1034	17:14	3	1.297	A VB	171639.	50.000 UG/L	2.00
47	146	1084	18:04	3	1.360	A BB	127909.	50.000 UG/L	2.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:08	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	9:07	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	13:17	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	8:44	1.00	1.074	1.00	100.00	100.00	1.956	1.956	1.00
5	11:00	1.00	1.221	1.00	100.00	100.00	0.530	0.530	1.00
6	15:04	1.00	1.134	1.00	100.00	100.00	0.276	0.276	1.00
7	4:09	1.00	0.510	1.00	50.00	50.00	1.373	1.373	1.00

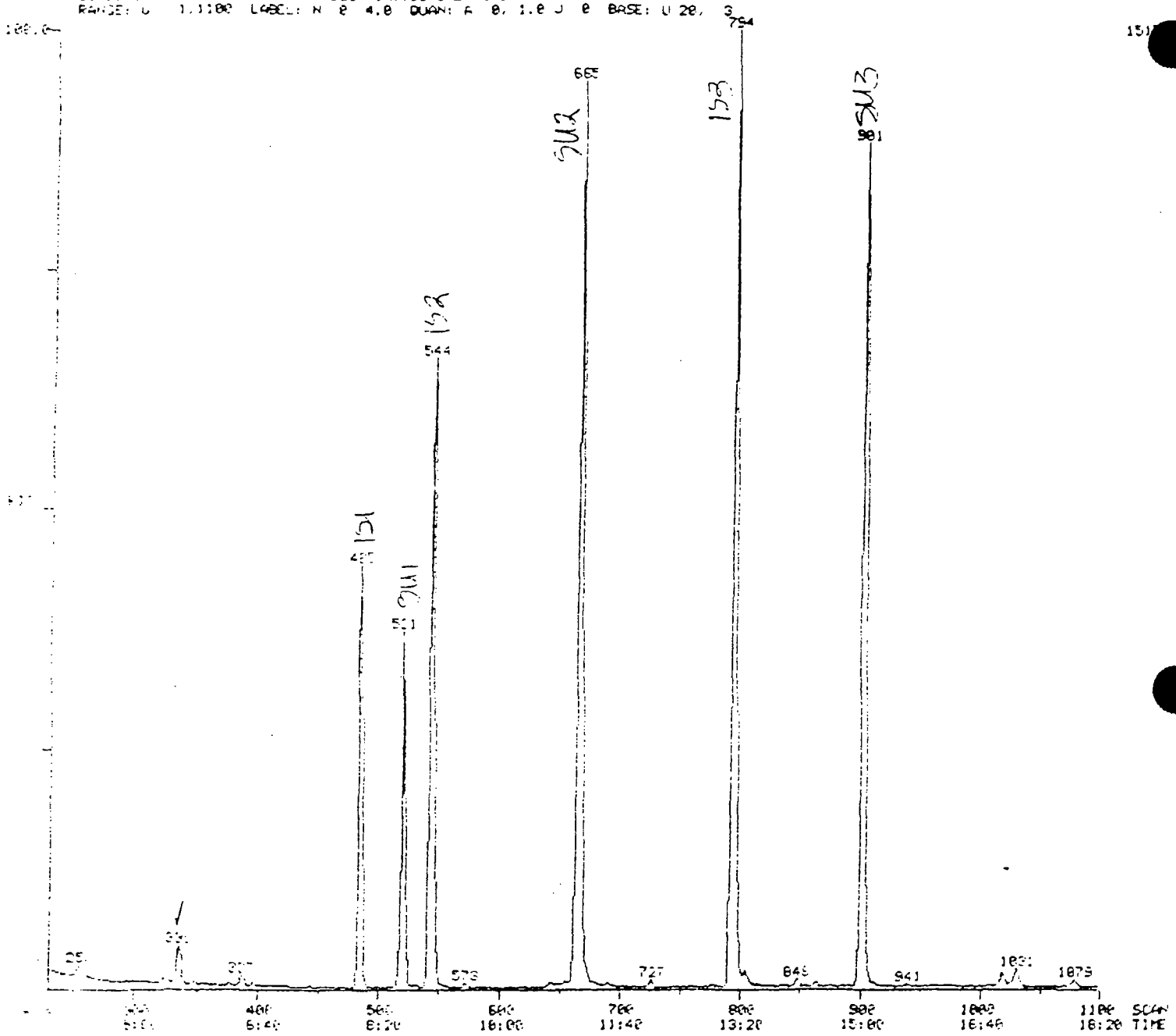
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
8	4:15	1.00	0.523	1.00	50.00	50.00	2.495	2.495	1.00
9	4:49	1.00	0.592	1.00	50.00	50.00	1.293	1.293	1.00
10	4:57	1.00	0.600	1.00	50.00	50.00	1.244	1.244	1.00
11	5:10	1.00	0.635	1.00	50.00	50.00	1.566	1.566	1.00
12	5:50	1.00	0.717	1.00	50.00	50.00	1.167	1.167	1.00
13	5:37	1.00	0.691	1.00	50.00	50.00	1.090	1.090	1.00
14	5:38	1.00	0.693	1.00	50.00	50.00	1.531	1.531	1.00
15	6:29	1.00	0.797	1.00	50.00	50.00	5.158	5.158	1.00
16	6:19	1.00	0.777	1.00	50.00	50.00	1.664	1.664	1.00
17	6:35	1.00	0.816	1.00	50.00	50.00	1.677	1.677	1.00
18	7:05	1.00	0.871	1.00	50.00	50.00	3.949	3.949	1.00
19	7:28	1.00	0.918	1.00	50.00	50.00	2.155	2.155	1.00
20	7:45	1.00	0.953	1.00	50.00	50.00	1.906	1.906	1.00
21	7:55	1.00	0.973	1.00	50.00	50.00	3.347	3.347	1.00
22	8:24	1.00	1.033	1.00	50.00	50.00	2.027	2.027	1.00
23	8:44	1.00	1.074	1.00	50.00	50.00	1.365	1.365	1.00
24	8:55	1.00	0.978	1.00	50.00	50.00	0.972	0.972	1.00
25	8:50	1.00	0.969	1.00	50.00	50.00	0.477	0.477	1.00
26	9:36	1.00	1.053	1.00	50.00	50.00	0.183	0.183	1.00
27	9:48	1.00	1.075	1.00	50.00	50.00	0.342	0.342	1.00
28	10:07	1.00	1.110	1.00	50.00	50.00	0.384	0.384	1.00
29	10:21	1.00	1.135	1.00	50.00	50.00	0.244	0.244	1.00
30	8:59	1.00	0.786	1.00	50.00	50.00	0.555	0.555	1.00
31	10:45	1.00	1.179	1.00	50.00	50.00	0.675	0.675	1.00
32	10:24	1.00	1.141	1.00	50.00	50.00	0.153	0.153	1.00
33	11:15	1.00	1.234	1.00	50.00	50.00	0.602	0.602	1.00
34	11:23	1.00	0.857	1.00	50.00	50.00	0.364	0.364	1.00
35	11:35	1.00	0.876	1.00	50.00	50.00	0.273	0.273	1.00
36	12:09	1.00	0.935	1.00	50.00	50.00	0.136	0.136	1.00
37	11:32	1.00	0.870	1.00	50.00	50.00	0.413	0.413	1.00
38	12:27	1.00	0.987	1.00	50.00	50.00	0.299	0.299	1.00
39	13:20	1.00	1.004	1.00	50.00	50.00	0.705	0.705	1.00
40	13:22	1.00	1.006	1.00	50.00	50.00	0.356	0.356	1.00
41	13:26	1.00	1.014	1.00	50.00	50.00	0.420	0.420	1.00
42	14:11	1.00	1.068	1.00	50.00	50.00	0.901	0.901	1.00
43	14:47	1.00	1.113	1.00	50.00	50.00	0.253	0.253	1.00
44	14:54	1.00	1.123	1.00	50.00	50.00	0.607	0.607	1.00
45	17:03	1.00	1.283	1.00	50.00	50.00	0.604	0.604	1.00
46	17:14	1.00	1.297	1.00	50.00	50.00	0.794	0.794	1.00
47	18:04	1.00	1.360	1.00	50.00	50.00	0.591	0.591	1.00

SECTION II-5.

UM 1-4-89

F:
01/09/85 12:17:00
SAMPLE: UBLK1
CONDS.: ME24/8240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: U 1,1100 LABEL: N 0 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 3CB0109U001 #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3CB0109V001

Data: 3CB0109V001.T1
[illegible]09/89 12:17:00
Sample: WBLK1
Conds.: M624/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
[illegible]	TRICHLOROTRIFLUOROETHANE	
[illegible]	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
[illegible]	1,3-DICHLOROBENZENE	
[illegible]	1,2-DICHLOROBENZENE	
[illegible]	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	21149.	50.000 UG/L	15.21
2	114	544	9:04	2	1.000	A BB	157960.	50.000 UG/L	15.21
3	117	794	13:14	3	1.000	A BB	172761.	50.000 UG/L	15.21
4	50	254	4:14	1	0.524	A?BB	50.	0.061 UG/L	0.02
5	NOT	FOUND							
6	62	253	4:13	1	0.522	A BB	257.	0.224 UG/L	0.07
7	NOT	FOUND							
8	84	377	6:17	1	0.777	A BB	193.	0.269 UG/L	0.08
9	43	336	5:36	1	0.693	A BB	17436.	22.315 UG/L	6.79
10	101	305	5:05	1	0.635	A BB	575.	0.702 UG/L	0.21
11	78	387	6:27	1	0.798	A BB	1302.	0.590 UG/L	0.18
12	96	349	5:49	1	0.720	A BB	263.	0.422 UG/L	0.13
13	63	422	7:02	1	0.870	A BB	266.	0.146 UG/L	0.04
14	96	397	6:37	1	0.819	A BB	389.	0.488 UG/L	0.15
15	83	472	7:52	1	0.973	A BB	53.	0.035 UG/L	0.01
16	101	336	5:36	1	0.693	A BB	526.	0.940 UG/L	0.29
17	63	527	8:47	1	1.087	A?BB	56.	0.035 UG/L	0.01
18	NOT	FOUND							
19	97	501	8:21	2	0.921	A BB	54.	0.047 UG/L	0.01
20	117	521	8:41	2	0.959	A BB	331.	0.391 UG/L	0.12
21	43	417	6:57	2	0.767	A BB	55.	0.052 UG/L	0.02
22	NOT	FOUND							
23	63	586	9:46	2	1.077	A BB	102.	0.082 UG/L	0.02
24	75	642	10:42	2	1.180	A BB	328.	0.125 UG/L	0.04
25	130	573	9:33	2	1.053	A BB	389.	0.520 UG/L	0.16
26	NOT	FOUND							
27	NOT	FOUND							
28	79	533	8:53	2	0.980	A BB	720.	0.189 UG/L	0.06
29	75	681	11:21	2	1.252	A BB	172.	0.125 UG/L	0.04
30	NOT	FOUND							
31	173	903	15:03	2	1.660	A BB	69.	0.084 UG/L	0.03
32	43	691	11:30	3	0.869	A?BB	587.	0.422 UG/L	0.13
33	58	622	10:22	3	0.783	A BB	50.	0.093 UG/L	0.03
34	164	727	12:07	3	0.916	A BB	728.	1.146 UG/L	0.35
35	83	891	14:51	3	1.122	A BB	225.	0.098 UG/L	0.03
36	92	672	11:12	3	0.846	A BB	1832.	0.683 UG/L	0.21
37	112	797	13:17	3	1.004	A BB	1368.	0.500 UG/L	0.15
38	106	799	13:19	3	1.006	A?BV	949.	0.577 UG/L	0.18
39	104	848	14:08	3	1.068	A BB	1085.	0.302 UG/L	0.09
40	106	805	13:25	3	1.014	A BB	1280.	0.682 UG/L	0.21
41	146	1019	16:59	3	1.283	A BB	2061.	0.895 UG/L	0.27
42	146	1079	17:59	3	1.359	A BB	1934.	0.889 UG/L	0.27
43	146	1031	17:11	3	1.298	A BB	3249.	1.141 UG/L	0.35
44	65	521	8:41	1	1.074	A BB	75014.	47.233 UG/L	14.37
45	58	665	11:05	3	0.838	A BB	182338.	47.483 UG/L	14.44
46	55	901	15:01	3	1.135	A BB	103306.	48.780 UG/L	14.84

Quantitation Report File: 3CB0109V001

Data: 3CB0109V001.TI
01/05/89 12:17:00
Sample: VBLK1
Comment: ME24/6240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

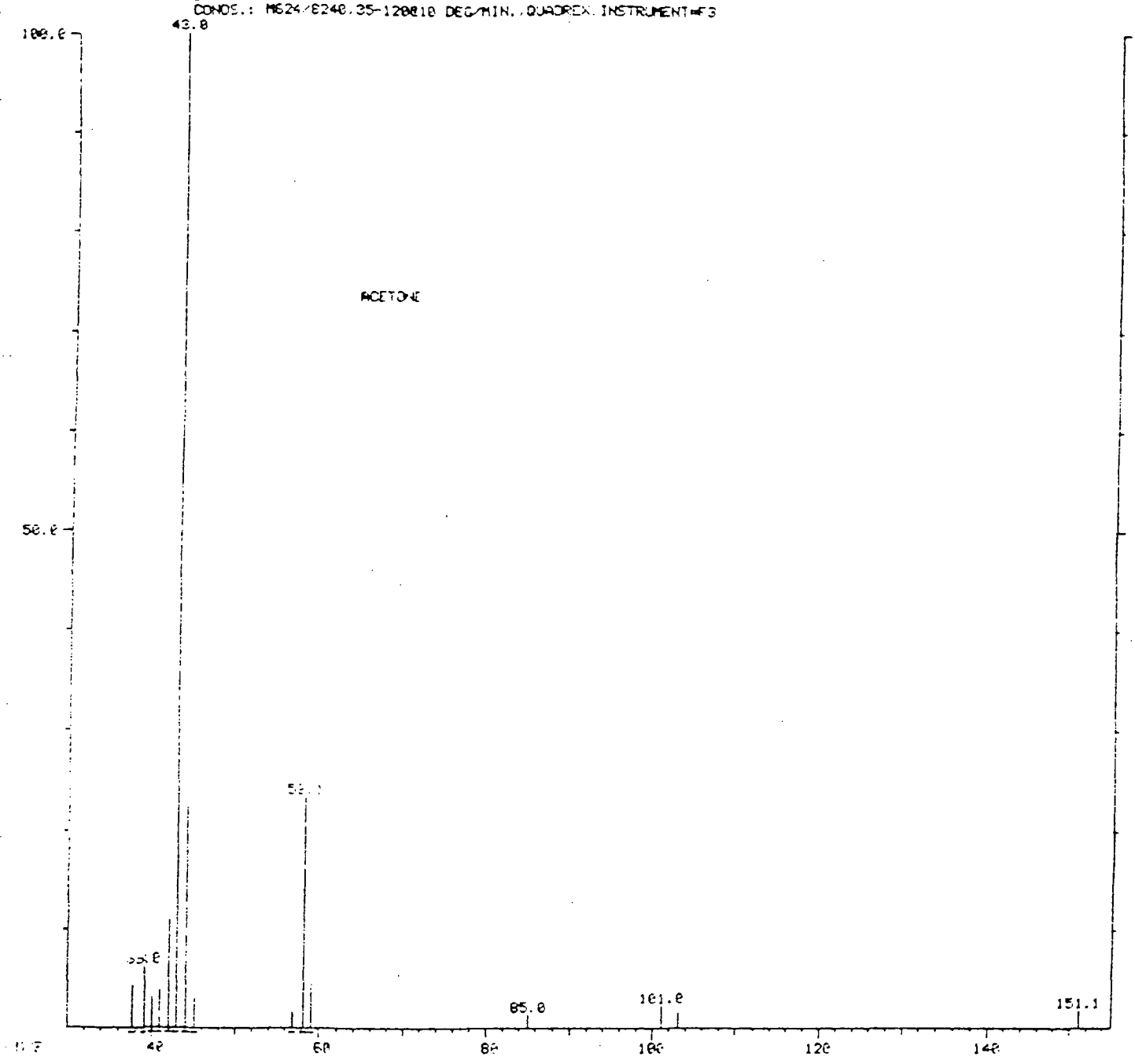
No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	ACETONE	
5	1,2-DICHLOROETHANE-D4	(SU1)
6	TOLUENE-D8	(SU2)
7	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	21149.	50.000 UG/L	15.98
2	114	544	9:04	2	1.000	A BB	157960.	50.000 UG/L	15.98
3	117	794	13:14	3	1.000	A BB	172761.	50.000 UG/L	15.98
4	43	336	5:36	1	0.693	GEDT	15220.	19.478 UG/L	6.22
5	65	521	8:41	1	1.074	A BB	75014.	47.233 UG/L	15.09
6	98	665	11:05	3	0.838	A BB	182339.	47.483 UG/L	15.17
7	95	901	15:01	3	1.135	A BB	103306.	48.780 UG/L	15.59

MASS SPECTRUM
01/05/89 12:17:00 + 5:36
SAMPLE: VBLK1
CONDS.: M624/8240.35-120010 DEG/MIN..QUADREX.INSTRUMENT#F3

DATA: 3CB0109U001 #33E
CALI: CALTAB #2

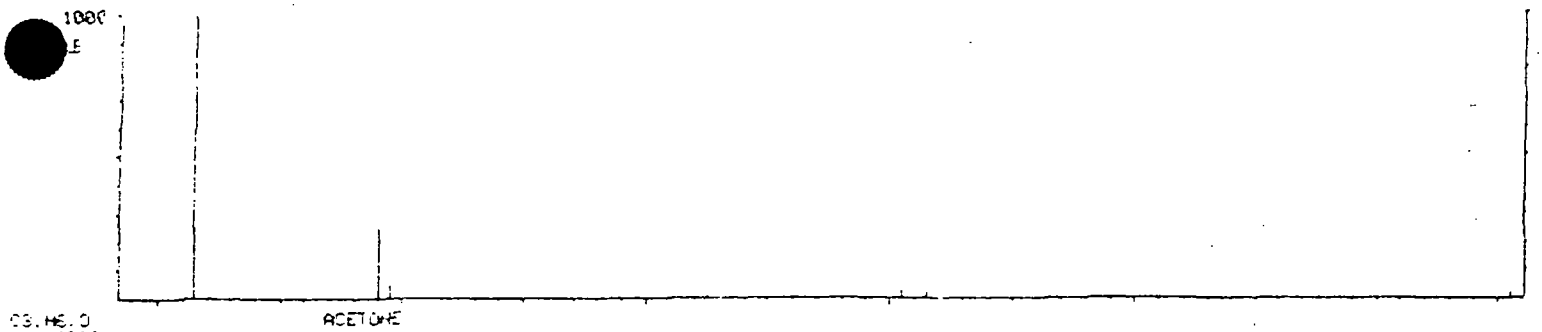
BASE M/Z: 43
RIC: 7264.

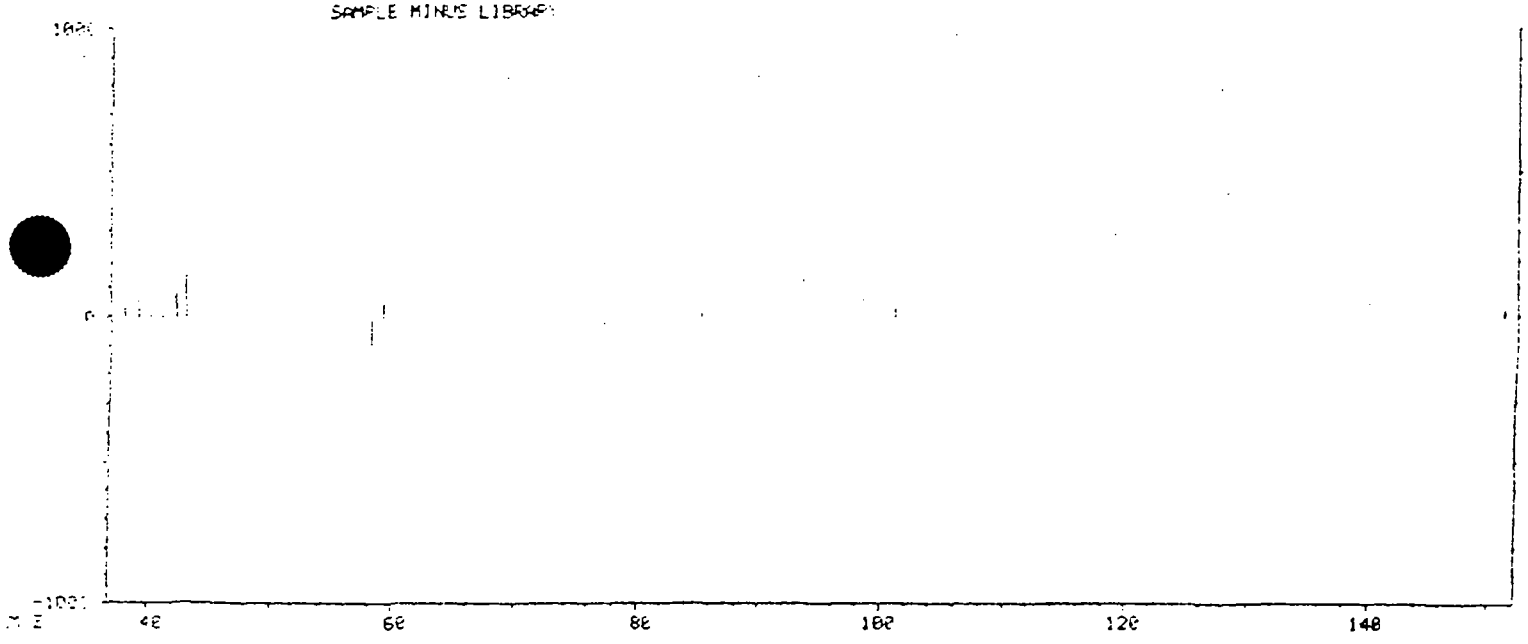


LIBRARY SEARCH
01/05/89 12:17:00 + 5:36
SAMPLE: VBLK1
CONDS.: ME24/6240,35-120010 DEG/MIN.,QUADREX,INSTRUMENT#3
ENHANCED (S 15E 2N 0T)

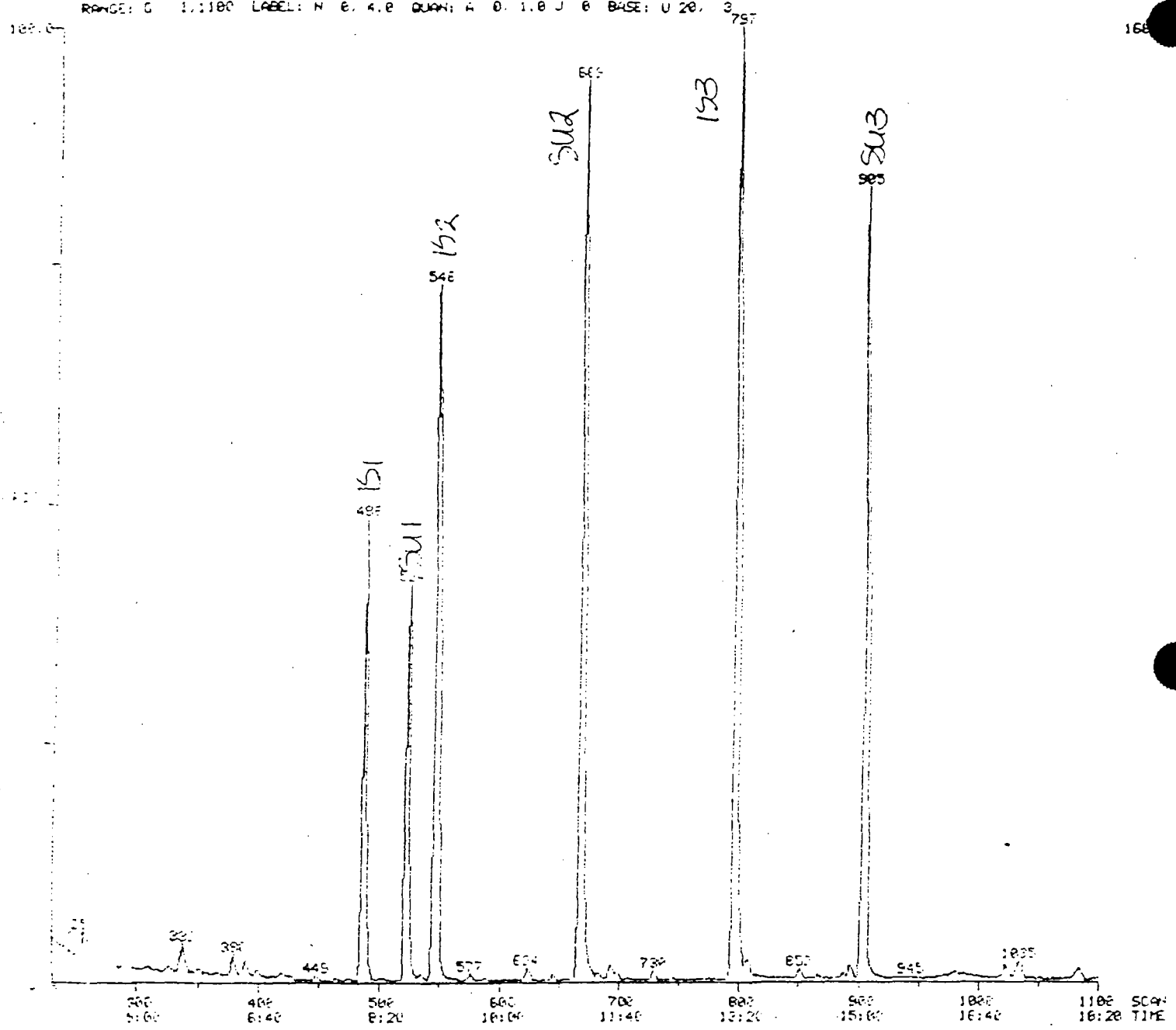
DATA: 3CB010VB01 # 336
CALI: CALTAE # 2

BASE M/Z: 43
RIC: 5625.





R:0 DATA: 3CB0120U00 #1 SCANS 230 TO 1100
01 20 05 11:28:00 CAL1: 3CS0120.050 #3
SAMPLE: WATER UNIT BLANK--STORAGE BLANK FROM 1-03-89
COND.: ME24-B240.QUADREX,0.53MM INSTRUMENT=F3
RANGE: 0 1.1100 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3



Quantitation Report File: 3CB0120V00

File: 3CB0120V00.TI
20-[illegible]-89 11:28:00
Title: WATER UNIT BLANK--STORAGE BLANK FROM 1-03-89
Method: M8240,8240,QUADREX,0.5GMM INSTRUMENT=F3

Formula:	Instrument: F3	Weight:	0.000
Corrected by: QA	Analyst: LM	Acct. No.:	QA

Unit Variable = REF AMNT/REF AREA x RESP FACTOR
Begin Rank: 1 of Library Entry

No.	Name
1	[illegible] BROMOCHLOROMETHANE
2	CHLOROMETHANE
[illegible]	VINYL CHLORIDE
4	BROMOMETHANE
[illegible]	CHLOROETHANE
[illegible]	TRICHLOROFLUOROMETHANE
[illegible]	1,1-DICHLOROETHENE
[illegible]	TRICHLOROTRIFLUOROETHANE
[illegible]	ACETONE
10	CARBON DISULFIDE
11	METHYLENE CHLORIDE
[illegible]	TRANS-1,2-DICHLOROETHENE
[illegible]	1,1-DICHLOROETHANE
[illegible]	2-BUTANONE
[illegible]	CIS-1,2-DICHLOROETHENE
[illegible]	CHLOROFORM
[illegible]	1,1,1-TRICHLOROETHANE
[illegible]	CARBON TETRACHLORIDE
[illegible]	[illegible] SURROGATE D4-1,2-DICHLOROETHANE
[illegible]	[illegible] 1,4-DIFLUOROBENZENE
[illegible]	BENZENE
[illegible]	1,2-DICHLOROETHANE
[illegible]	TRICHLOROETHENE
[illegible]	1,2-DICHLOROPROPANE
26	BROMODICHLOROMETHANE
[illegible]	2-CHLOROETHYLVINYL ETHER
[illegible]	VINYL ACETATE
[illegible]	CIS-1,3-DICHLOROPROPENE
[illegible]	4-METHYL-2-PENTANONE
[illegible]	TOLUENE
[illegible]	[illegible] SURROGATE TOLUENE-D8
[illegible]	[illegible] CHLOROBENZENE-D5
[illegible]	TRANS-1,3-DICHLOROPROPENE
[illegible]	1,1,2-TRICHLOROETHANE
[illegible]	TETRACHLOROETHENE
[illegible]	2-HEXANONE
[illegible]	DIBROMOCHLOROMETHANE
[illegible]	CHLOROBENZENE
[illegible]	ETHYLBENZENE
[illegible]	TOTAL XYLENES
[illegible]	STYRENE
[illegible]	BROMOFORM
[illegible]	1,1,2,2-TETRACHLOROETHANE
[illegible]	1,3-DICHLOROBENZENE
[illegible]	1,4-DICHLOROBENZENE
[illegible]	1,2-DICHLOROBENZENE
[illegible]	[illegible] SURROGATE 4-BROMOFLUOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	489	8:08	1	1.000	A BB	26132.	50.000	UG/L	10.32
2	NOT FOUND									
3	60	257	4:15	1	0.523	A BB	1096.	0.795	UG/L	0.16
4	94	332	4:50	1	0.594	A BB	135.	0.200	UG/L	0.04
5	64	293	4:53	1	0.600	A BB	359.	0.552	UG/L	0.11
6	101	310	5:10	1	0.635	A BB	1052.	1.286	UG/L	0.37
7	98	351	5:51	1	0.719	A BB	625.	1.031	UG/L	0.31
8	101	338	5:38	1	0.693	A BB	1181.	2.073	UG/L	0.43
9	41	339	5:39	1	0.695	A BB	11438.	14.295	UG/L	2.95
10	78	391	6:30	1	0.799	A BB	2518.	0.934	UG/L	0.19
11	84	380	6:20	1	0.779	A BB	1923.	2.211	UG/L	0.46
12	98	399	6:39	1	0.818	A BB	818.	0.933	UG/L	0.19
13	63	425	7:05	1	0.871	A BB	631.	0.301	UG/L	0.06
14	43	449	7:29	1	0.920	A BB	2393.	2.124	UG/L	0.44
15	96	465	7:45	1	0.953	A BB	542.	0.544	UG/L	0.11
16	89	475	7:55	1	0.973	A BB	65[illegible]	0.372	UG/L	0.09
17	97	503	8:24	1	1.033	A BB	673.	0.635	UG/L	0.13
18	117	524	8:44	1	1.074	A BB	798.	1.116	UG/L	0.23
19	69	524	8:44	1	1.074	A BB	51583.	89.564	%	18.49
20	114	547	9:07	20	1.000	A BB	197091.	50.000	UG/L	10.31
21	78	536	8:56	20	0.980	A BB	1915.	0.500	UG/L	0.10
22	63	531	8:51	20	0.971	A BB	808.	0.429	UG/L	0.09
23	191	577	9:37	20	1.055	A BB	871.	1.204	UG/L	0.25
24	69	589	9:49	20	1.075	A BB	322.	0.239	UG/L	0.05
25	63	608	10:08	20	1.112	A BB	393.	0.260	UG/L	0.05
26	61	622	10:22	20	1.137	A BB	929.	0.549	UG/L	0.11
27	43	420	7:00	20	0.768	A BB	1651.	0.755	UG/L	0.16
28	75	645	10:45	20	1.179	A BB	881.	0.331	UG/L	0.07
29	56	625	10:25	20	1.143	A BB	993.	1.645	UG/L	0.34
30	93	675	11:15	20	1.234	A BB	2035.	0.855	UG/L	0.18
31	97	669	11:09	20	1.221	A BB	204993.	98.159	%	20.27
32	117	787	13:17	32	1.000	A BB	194963.	50.000	UG/L	10.32
33	75	683	11:23	32	0.857	A BB	650.	0.458	UG/L	0.09
34	97	659	11:39	32	0.877	A BB	743.	0.697	UG/L	0.14
35	164	730	12:10	32	0.916	A BB	817.	1.543	UG/L	0.32
36	43	693	11:33	32	0.870	A BB	3536.	2.197	UG/L	0.45
37	129	746	12:26	32	0.939	A BB	463.	0.397	UG/L	0.08
38	112	801	13:21	32	1.005	A BB	2256.	0.820	UG/L	0.17
39	109	802	13:22	32	1.006	A BV	1156.	0.832	UG/L	0.17
40	106	808	13:28	32	1.014	A VB	1458.	0.890	UG/L	0.18
41	104	852	14:12	32	1.069	A BB	1761.	0.501	UG/L	0.10
42	173	868	14:48	32	1.114	A BB	815.	0.826	UG/L	0.17
43	83	874	14:54	32	1.122	A BB	3433.	1.450	UG/L	0.30
44	146	1023	17:03	32	1.284	A BV	2547.	1.081	UG/L	0.22
45	146	1035	17:15	32	1.299	A VB	2628.	0.914	UG/L	0.19
46	146	1084	18:04	32	1.360	A BB	2776.	1.204	UG/L	0.25
47	95	905	15:05	32	1.136	A BB	103823.	96.680	%	19.96

TOA FINISHED, 29 FOUND
FINISHED AT: 1/20/89 11:50:45
Quantitation Report File: 3CB0120V00

[illegible] 3CB0120.01.TI
[illegible] 89 11:59:00
Sample: WATER UNIT BLANK--STORAGE BLANK FROM 1-03-89
Column: HP24 8240,QUADREX,0.53MM INSTRUMENT=F3
Filename: Instrument: F3 Weight: 0.000
Submitted by: QA Analyst: LM Acct. No.: QA

[illegible] = Ref Amnt./Ref Area * Resp Factor
Peak Area Area Library Entry

[illegible]	[illegible]		BROMOCHLOROMETHANE
[illegible]	[illegible]		1,4-DIFLUOROBENZENE
[illegible]	[illegible]		CHLOROBENZENE-D5
[illegible]	[illegible]	SURROGATE	D4-1,2-DICHLOROETHANE
[illegible]	[illegible]	SURROGATE	TOLUENE-D8
[illegible]	[illegible]	SURROGATE	P-BROMOFLUOROBENZENE
[illegible]	[illegible]		[illegible]
[illegible]	[illegible]		2-HEXANONE
[illegible]	[illegible]		1,1,2,2-TETRACHLOROETHANE

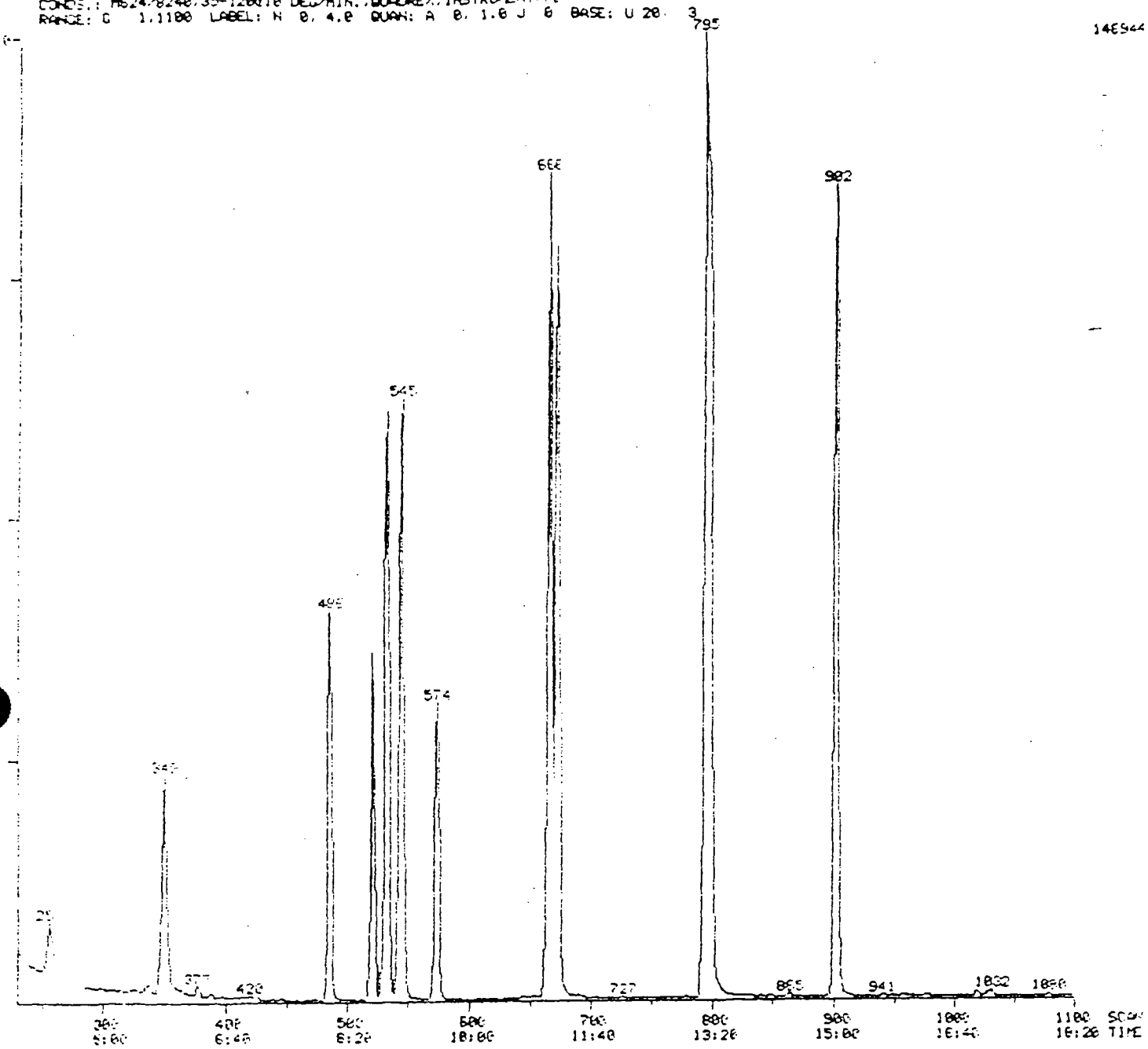
		Scan	Time	Rec	RRT	Meth	Area/Height	Amount	%Tot
[illegible]	[illegible]	[illegible]	8:08	1	1.000	A BB	26133.	50.000 UG/L	11.05
[illegible]	[illegible]	[illegible]	9:07	2	1.000	A BB	197091.	50.000 UG/L	11.05
[illegible]	[illegible]	[illegible]	13:17	3	1.000	A BB	194960	50.000 UG/L	11.05
[illegible]	[illegible]	[illegible]	8:44	1	1.074	A BB	91583.	89.564 %	19.80
[illegible]	[illegible]	[illegible]	11:06	2	1.231	A BB	204953.	98.169 %	21.70
[illegible]	[illegible]	[illegible]	15:05	3	1.136	A BB	103883.	98.690 %	21.3[illegible]
[illegible]	[illegible]	[illegible]	9:39	1	0.895	A BB	11438.	14.295 UG/L	3.18
[illegible]	[illegible]	[illegible]	11:33	3	0.870	A BB	3536.	2.197 UG/L	0.49
[illegible]	[illegible]	[illegible]	14:54	3	1.133	A BB	3433.	1.450 UG/L	0.32

SECTION II-6.

V4 1-9-89

R:
01/09/89 14:23:00 003.04
SAMPLE: 18954,~~0300.04~~ 890:JC85 MS
CONDS.: MS24/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1,1100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 3CM01031U0: #1 SCANS 230 TO 1100
CALI: CALTAB #2



Quantitation Report File: 3CM01031V01

Data: 3CM01031V01.TI
01/08/89 14:23:00
Sample: 1EPT4, ~~6300 ml~~ 8901JC05 MS
Comment: MS24/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

NO	NAME	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2,-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	465	8:05	1	1.000	A BB	19317.	50.000 UG/L	9.31
2	112	545	9:05	2	1.000	A BB	145264.	50.000 UG/L	9.31
3	117	794	13:14	3	1.000	A BB	159687.	50.000 UG/L	9.31
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	377	6:17	1	0.777	A BB	907.	1.382 UG/L	0.26
9	43	337	5:37	1	0.695	A BB	4130.	5.787 UG/L	1.08
10	NOT FOUND								
11	76	387	6:27	1	0.798	A BB	577.	0.286 UG/L	0.05
12	96	349	5:49	1	0.720	A BB	28065.	49.324 UG/L	9.18
13	63	421	7:01	1	0.868	A BB	131.	0.075 UG/L	0.01
14	96	397	6:37	1	0.819	A BB	53.	0.073 UG/L	0.01
15	83	473	7:53	1	0.975	A BB	236.	0.170 UG/L	0.03
16	101	334	5:34	1	0.689	A BB	49.	0.096 UG/L	0.02
17	62	523	8:43	1	1.076	A?BB	132.	0.089 UG/L	0.02
18	72	446	7:26	2	0.818	A BB	59.	0.537 UG/L	0.10
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	130	574	9:34	2	1.053	A BB	29901.	41.981 UG/L	7.82
26	NOT FOUND								
27	NOT FOUND								
28	78	533	8:53	2	0.978	A BB	160203.	45.760 UG/L	8.52
29	75	673	11:13	2	1.235	A BB	1235.	0.977 UG/L	0.18
30	NOT FOUND								
31	173	901	15:01	2	1.653	A BB	486.	0.643 UG/L	0.12
32	43	704	11:44	3	0.887	A?BB	55.	0.043 UG/L	0.01
33	NOT FOUND								
34	164	727	12:07	3	0.916	A BB	174.	0.298 UG/L	0.06
35	NOT FOUND								
36	93	672	11:12	3	0.846	A?BB	107548.	43.403 UG/L	8.08
37	111	799	13:19	3	1.005	A BB	125956.	49.821 UG/L	9.28
38	106	806	13:26	3	1.015	A BB	560.	0.368 UG/L	0.07
39	104	848	14:08	3	1.068	A BB	303.	0.091 UG/L	0.02
40	106	806	13:26	3	1.015	A BB	560.	0.323 UG/L	0.06
41	146	1019	16:59	3	1.283	A BB	850.	0.400 UG/L	0.07
42	146	1079	17:59	3	1.359	A BB	517.	0.257 UG/L	0.05
43	146	1031	17:11	3	1.298	A BB	1202.	0.457 UG/L	0.08
44	87	531	8:41	1	1.074	A BB	69780.	48.104 UG/L	8.96
45	98	665	11:05	3	0.838	A BB	168008.	47.334 UG/L	8.81
46	95	902	15:02	3	1.136	A BB	96013.	49.048 UG/L	9.13

Quantitation Report File: 3CM01031V01

Data: 3CM01031V01.TI
01/09/89 14:23:00 ca.04 [illegible]
Sample: 18954,~~0300.04~~ 8901JC05 MS
Cmnd.: M624/8240.35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: B901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	1,1-DICHLOROETHENE	
5	TRICHLOROETHENE	
6	BENZENE	
7	TOLUENE	
8	CHLOROBENZENE	
9	1,2-DICHLOROETHANE-D4	(SU1)
10	TOLUENE-D8	(SU2)
11	BROMOFLUOROBENZENE	(SU3)

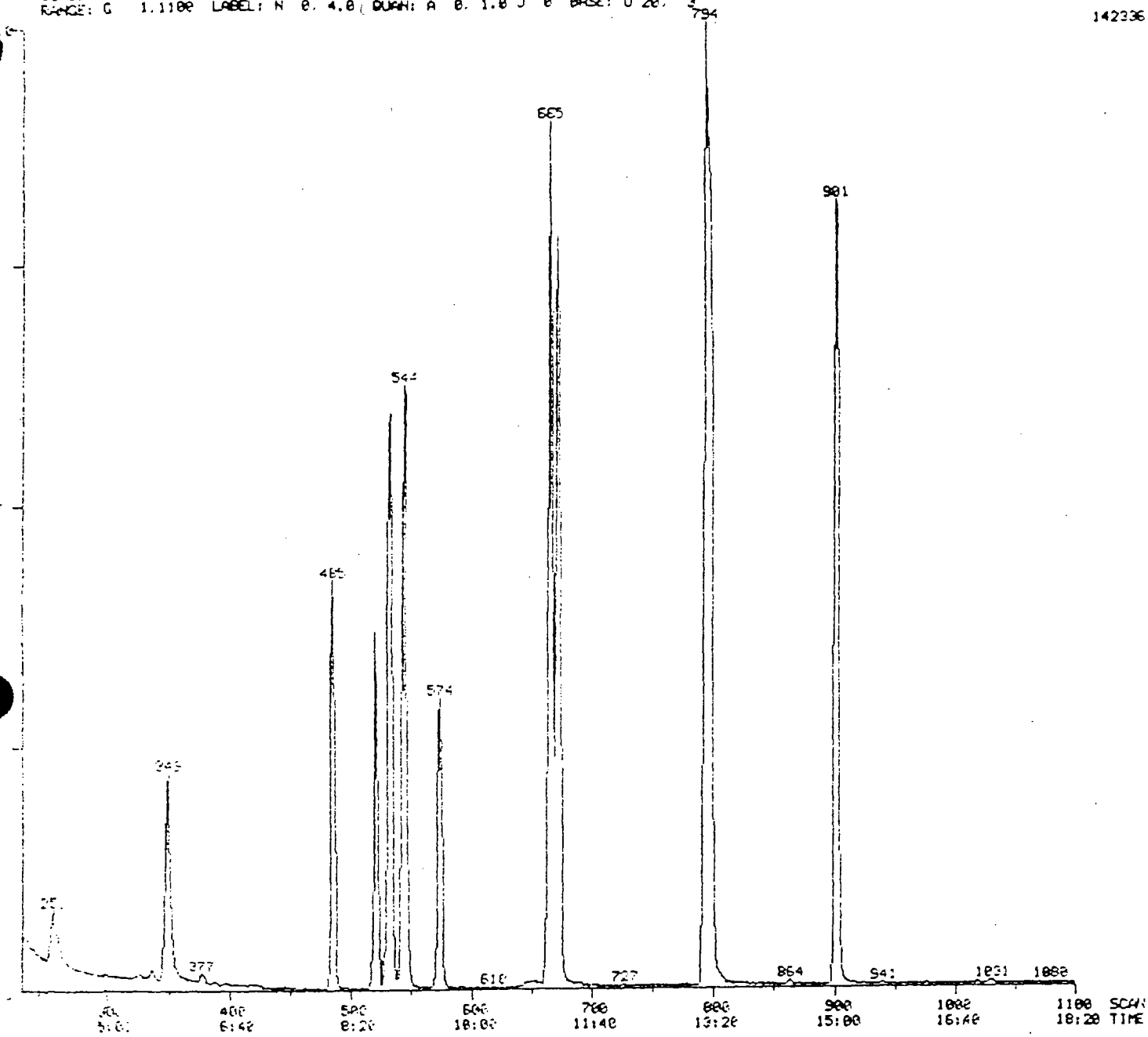
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	19317.	50.000 UG/L	9.53
2	114	545	9:05	2	1.000	A BB	145264.	50.000 UG/L	9.53
3	117	794	13:14	3	1.000	A BB	159687.	50.000 UG/L	9.53
4	96	349	5:49	1	0.720	A BB	28085.	49.324 UG/L	9.40
5	131	574	9:34	2	1.053	A BB	28901.	41.981 UG/L	8.00
6	78	533	8:53	2	0.978	A BB	160203.	45.760 UG/L	8.72
7	92	672	11:12	3	0.846	A?BB	107546.	43.403 UG/L	8.27
8	112	798	13:15	3	1.005	A BB	125956.	49.821 UG/L	9.49
9	85	521	8:41	1	1.074	A BB	69780.	48.104 UG/L	9.17
10	90	665	11:05	3	0.838	A BB	168008.	47.334 UG/L	9.02
11	95	902	15:02	3	1.136	A BB	96013.	49.048 UG/L	9.35

UM 1-9-89

RI
01/09/89 14:51:00 005.04
SAMPLE: 18954,0900.04 8901JC05 MSD
CONDS.: M624/8240.35-120010 DEG/MIN.,QUADREX,INSTRUMENT=F3
RANGE: G 1.1100 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

DATA: 3CD01031U01 #1 SCANS 230 TO 1100
CALI: CALTAB #2

142336.



Quantitation Report File: 3CD01031V01

Data: 3CD01031V01.TI
01/09/89 14:51:00 w3of 4 14:41
Sample: 10374, ~~[illegible]~~ 8901JC05 MSD
Conds.: MS74/8340.35-120810 DEG/MIN.,QUADREX.INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: B901031

AMOUNT=(AREA * REF AMNT/REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	CHLOROMETHANE	
5	BROMOMETHANE	
6	VINYL CHLORIDE	
7	CHLOROETHANE	
8	METHYLENE CHLORIDE	
9	ACETONE	
10	TRICHLOROFLUOROMETHANE	
11	CARBON DISULFIDE	
12	1,1-DICHLOROETHENE	
13	1,1-DICHLOROETHANE	
14	1,2-DICHLOROETHENE (TOTAL)	
15	CHLOROFORM	
16	TRICHLOROTRIFLUOROETHANE	
17	1,2-DICHLOROETHANE	
18	2-BUTANONE	
19	1,1,1-TRICHLOROETHANE	
20	CARBON TETRACHLORIDE	
21	VINYL ACETATE	
22	BROMODICHLOROMETHANE	
23	1,2-DICHLOROPROPANE	
24	CIS-1,3-DICHLOROPROPENE	
25	TRICHLOROETHENE	
26	DIBROMOCHLOROMETHANE	
27	1,1,2-TRICHLOROETHANE	
28	BENZENE	
29	TRANS-1,3-DICHLOROPROPENE	
30	2-CHLOROETHYLVINYL ETHER	
31	BROMOFORM	
32	2-HEXANONE	
33	4-METHYL-2-PENTANONE	
34	TETRACHLOROETHENE	
35	1,1,2,2-TETRACHLOROETHANE	
36	TOLUENE	
37	CHLOROBENZENE	
38	ETHYLBENZENE	
39	STYRENE	
40	XYLENE (TOTAL)	
41	1,3-DICHLOROBENZENE	
42	1,2-DICHLOROBENZENE	
43	1,4-DICHLOROBENZENE	
44	1,2-DICHLOROETHANE-D4	(SU1)
45	TOLUENE-D8	(SU2)
46	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	19317.	50.000 UG/L	9.49
2	114	544	9:04	2	1.000	A BB	143556.	50.000 UG/L	9.49
3	117	794	13:14	3	1.000	A BB	157455.	50.000 UG/L	9.49
4	NOT FOUND								
5	NOT FOUND								
6	83	253	4:13	1	0.522	A BB	57.	0.054 UG/L	0.01
7	NOT FOUND								
8	84	377	6:17	1	0.777	A BB	906.	1.380 UG/L	0.26
9	43	337	5:37	1	0.695	A BB	4035.	5.654 UG/L	1.07
10	NOT FOUND								
11	78	387	6:27	1	0.798	A BB	500.	0.248 UG/L	0.05
12	96	349	5:49	1	0.720	A BB	26345.	46.267 UG/L	8.78
13	NOT FOUND								
14	NOT FOUND								
15	83	473	7:53	1	0.975	A BB	53.	0.038 UG/L	0.01
16	101	335	5:35	1	0.691	A?BB	50.	0.098 UG/L	0.02
17	81	522	8:42	1	1.076	A?BB	60.	0.041 UG/L	0.01
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	83	574	9:34	2	1.055	A BB	177.	0.156 UG/L	0.03
24	NOT FOUND								
25	130	574	9:34	2	1.055	A BB	27683.	40.691 UG/L	7.72
26	NOT FOUND								
27	NOT FOUND								
[illegible]	79	533	9:53	3	0.980	A BB	154322.	44.605 UG/L	8.47
[illegible]	75	672	11:12	3	1.235	A BB	1163.	0.928 UG/L	0.18
30	NOT FOUND								
31	173	901	15:01	2	1.656	A BB	376.	0.503 UG/L	0.10
32	43	693	11:33	3	0.872	A?BB	51.	0.040 UG/L	0.01
33	NOT FOUND								
34	164	727	12:07	3	0.916	A BB	71.	0.123 UG/L	0.02
35	NOT FOUND								
36	92	672	11:12	3	0.846	A BB	103986.	42.561 UG/L	8.08
37	118	795	13:18	3	1.005	A BB	121397.	48.698 UG/L	9.24
38	106	805	13:25	3	1.014	A?BB	476.	0.318 UG/L	0.06
39	104	848	14:08	3	1.068	A BB	213.	0.065 UG/L	0.01
40	108	805	13:25	3	1.014	A BB	476.	0.278 UG/L	0.05
41	148	1015	16:55	3	1.283	A BB	657.	0.313 UG/L	0.06
42	146	1075	17:55	3	1.359	A BB	355.	0.179 UG/L	0.03
43	149	1030	17:10	3	1.297	A BB	944.	0.364 UG/L	0.07
44	85	531	8:41	1	1.074	A BB	68763.	47.403 UG/L	9.00
45	99	665	11:05	3	0.838	A BB	166414.	47.549 UG/L	9.03
46	90	901	15:01	3	1.135	A?BB	93216.	48.294 UG/L	9.17

Quantitation Report File: 3CD01031V01

Data: 3CD01031V01.TI
01/09/89 14:51:00 003.04 LH 1-9-89
Sample: 19554,~~0300.04~~ 8901JC05 MSD
Condit: Me24/8240,35-120@10 DEG/MIN.,QUADREX,INSTRUMENT=F3
Formula: Instrument: F3 Weight: 0.000
Submitted by: HLA Analyst: LM Acct. No.: 8901031

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	BROMOCHLOROMETHANE	(IS1)
2	1,4-DIFLUOROBENZENE	(IS2)
3	CHLOROBENZENE-D5	(IS3)
4	1,1-DICHLOROETHENE	
5	TRICHLOROETHENE	
6	BENZENE	
7	TOLUENE	
8	CHLOROBENZENE	
9	1,2-DICHLOROETHANE-D4	(SU1)
10	TOLUENE-D8	(SU2)
11	BROMOFLUOROBENZENE	(SU3)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	485	8:05	1	1.000	A BB	19317.	50.000 UG/L	9.69
2	114	544	9:04	2	1.000	A BB	143556.	50.000 UG/L	9.69
3	117	794	13:14	3	1.000	A BB	157455.	50.000 UG/L	9.69
4	96	349	5:43	1	0.720	A BB	26345.	46.267 UG/L	8.97
5	131	574	9:34	2	1.055	A BB	27683.	40.691 UG/L	7.88
6	78	533	8:53	2	0.980	A BB	154322.	44.605 UG/L	8.64
7	92	670	11:12	3	0.846	A BB	103986.	42.561 UG/L	8.25
8	112	798	13:18	3	1.005	A BB	121397.	48.698 UG/L	9.44
9	65	521	8:41	1	1.074	A BB	68763.	47.403 UG/L	9.19
10	98	665	11:05	3	0.835	A BB	166414.	47.549 UG/L	9.21
11	93	901	15:01	3	1.135	A?BB	93216.	48.294 UG/L	9.36

SECTION III-1.

WORKORDER: # 8901031 CLIENT: HARDING LAWSON ASSOCIATES

NO.	CLIENT SAMPLE ID	CONTAINER	FRIGE. #	DATE/TIME REMOVED	INITIALS	REASON	DATE/TIME RETURNED	FRIG. #
4	B901JC14	2 X 40ML	1	15:15 1-20-89	PG	8240	DISPOSE	
1	B901JC05	2 X 40ML	1	12:30 1-9-89	UM	8240	DISPOSE	
2	B901JC06	2 X40ML	1	13:15 1-9-89	UM	8240	DISPOSE	
3	B901JC10	2 X 40ML	1	1-9-89 15:05	UM	8240	DISPOSE	
5	B901JC15	2 X 40ML	1	1-9-89 13:40	UM	8240	DISPOSE	
6	B901JC16	2 X 40ML	1	1-9-89 15:30	UM	8240	DISPOSE	
7	B901JC18	2 X 40ML	1	1-9-89 16:00	UM	8240	DISPOSE	
8	B901JC21	2 X 40ML	1	1-9-89 16:00	UM	8240	DISPOSE	

CUSTODIAN'S SIGNATURE: Darin Sylh.

DATE/TIME SAMPLES INTO REFRIGERATOR: 01/06/89 14:50

WORKORDER: # 8901031 CLIENT: HARDING LAWSON ASSOCIATES

NO.	CLIENT SAMPLE ID	CONTAINER	FRIGE. #	DATE/TIME REMOVED	INTI-IALS	REASON	DATE/TIME RETURNED	FRIG. #
4	8901JC14	2 X 40ML	1	01-09-89	ON	5020	01-09	1
1	8901JC05	2 X 40ML	1	01-09-89	ON	5020	01-09	1
2	8901JC06	2 X40ML	1	01-09-89	ON	5020	01-09	1
3	8901JC10	2 X 40ML	1	01-09-89	ON	5020	01-09	1
5	8901JC15	2 X 40ML	1	01-09-89	ON	5020	01-09	1
6	8901JC16	2 X 40ML	.1	01-09-89	ON	5020	01-09	1
7	8901JC18	2 X 40ML	1	01-09-89	ON	5020	01-09	1
8	8901JC21	2 X 40ML	1	01-09-89	ON	5020	01-09	1

CUSTODIAN'S SIGNATURE: Darin Sylv.

DATE/TIME SAMPLES INTO REFRIGERATOR: 01/06/89 14:50

SECTION III-2.

P	DATE	FILENANE		MS MSD SAMPLE ID	CLIENT	DISK	TAPE	AUTO	OP	DA
H	1 09	3CS0109V020		VSTD20	QA	31	331		LH	
H	1 09	3CS0109V100		VSTD100	QA	31			LH	
H	1 09	3CS0109V150		VSTD150	QA	31			LH	
H	1 09	3CS0109V200		VSTD200	QA	31			LH	
H	1 09	3CB0109V001		VBLK1	QA	31			LH	
H	1 09	3CM01031V041		18954,003.04 8901JC14	HLA-X	31			LH	
H	1 09	3CM01031V02		" 8901JC06	HLA	31			LH	
H	1 09	3CM01031V05		" 8901JC15	HLA	31			LH	
H	1 09	3CM01031V01	MS	" 8901JC05	HLA	31			LH	
H	1 09	3CD01031V01	MSD	" 8901JC05	HLA	31			LH	
H	1 09	3CM01031V03	1:10	" 8901JC10	HLA	31			LH	
H	1 09	3CM01031V06		" 8901JC16	HLA	31			LH	
H	1 09	3CM01031V07		" 8901JC18	HLA	31		X	LH	
H	1 09	3CM01031V08		" 8901JC21	HLA	31		X	LH	
H	1 09	3CM01028V01		018052-2 W-18-HW4 [redacted]		31		X	LH	
H	1 09	3CQ0109V000		QC CHECK WO 1084 I,II,III,IV	QA	31		X	LH	
H	1 09	3CB0109 V002		WATER UNIT BLANK	QA	31		X	LH	
H	1 09	3CB0109 V003	CV#45	WATER UNIT BLANK	QA	31		X	LH	
H	1 09	3CB0109 V004	CV#44	WATER UNIT BLANK	QA	31		X	LH	
H	1 09	3CB0109 V005	CV#45	WATER UNIT BLANK	QA	31		X	LH	
H	1 09	3CB0109 V006	CV#43	WATER UNIT BLANK	QA	31		X	LH	
H	1 09	3CB0109 V007	CV#44	WATER UNIT BLANK	QA	31		X	LH	
H	1 13	3CBFB0113		BFB 50 ng	QA	0:	F3001		LH	
H	1 13	3CS0113V050		STD 50 µg/L	QA	0:			LH	
H	1 13	3CB0113V000	CV#36	WATER UNIT BLANK	QA	0:			LH	
H	1 13	3CM01043V01		711-01-16 E02	[redacted]	0:			LH	
H	1 13	3CM01043V02		" E03	EMCON	0:			LH	
H	1 13	3CM01043V03		" E07	EMCON	0:			LH	
H	1 13	3CM01043V03	MS	" E07	EMCON	0:			LH	
H	1 13	3CD01043V03	MSD	" E07	EMCON	0:			LH	
H	1 13	3CM01043V04		" B204C	EMCON	0			LH	
H	1 13	3CM01073V01		59-01-044 01	IT	0			LH	
H	1 13	3CM01073V02		" 02	IT	0			LH	
H	1 17	3CBFB0117		BFB 50 ng	QA	0			LH	

DATE	FILENAME		HS SAMPLE ID / NSO		CLIENT	DISK	TAPE	AUTO	OP	DA
1 18	3CU01083V08		433-01.11	F001	EMCON	0	F3001	X	UH	
1 18	3CU01083V07		"	TB01	EMCON	0		X	UH	
1 18	3CU01083V01		"	E02	EMCON	0		X	UH	
1 18	3CU01083V02		"	E04	EMCON	0		X	UH	
1 18	3CU01083V04		"	E07	EMCON	0		X	UH	
1 18	3CU01083V05		"	E08	EMCON	0		X	UH	
1 18	3CU01083V06		"	E09	EMCON	0		X	UH	
1 18	3CU01083V03		"	E05	EMCON	0		X	UH	
1 18	3CU01083V09		"	XDUP	EMCON	0		X	UH	
1 19	3CBFB0119		BFB 50 ng		QA	0			UH	
1 19	3CS0119V050	NEW BUCKET	STD 50 µg/L		QA	0			UH	
1 19	3CB0119V000		WATER UNIT BLANK		QA	0			UH	
1 19	3CM01083V06		HS 433-01.11	E09	EMCON	0			UH	
1 19	3CD01083V06		NSO "	E09	EMCON	0			UH	
1 19	3CU01071V01	1:10,000	68008-6	W-15-HW-10	AGS	0			UH	
1 19	3CR01071V01	1:500	"	W-15-HW-10	AGS	0			UH	
1 19	3CU01071V03	1:500	"	W-14-BW-12	AGS	0			UH	
1 19	3CU01095V02		18696	HW-1	ENSCO	0			UH	
1 19	3CU01069V01	1:20		DISCHARGE	WCC	0			UH	
1 19	3CR01069V01	1:1		DISCHARGE	WCC	0			UH	
1 19	3CU01090V01		433-01.11	GR01	EMCON	0			UH	
1 19	3CU01090V02		"	GR02	EMCON	0			UH	
1 19	3CR01090V02	1:10	"	GR02	EMCON	0			UH	
1 19	3CU01102V01		211-04.02	H-1	PEG	0		X	UH	
1 19	3CU01102V07		"	TRIP BLANK	PEG	0		X	UH	
1 19	3CB0119V001	CV# 46	WATER UNIT BLANK		QA (~~KILLED~~ UH)	0		X	UH	
1 19	3CB0119V002	CV# 46	WATER UNIT BLANK		QA	0		X	UH	
1 19	3CB0119V003	CV# 47	WATER UNIT BLANK		QA	0		X	UH	
1 19	3CB0119V004	CV# 47	WATER UNIT BLANK		QA	0		X	UH	
1 19	3CB0119V005	CV# 46	WATER UNIT BLANK		QA (KILLED)	0		X	UH	
1 19	3CB0119V006	CV# 46	WATER UNIT BLANK		QA (KILLED)	0		X	UH	
	~~3CB0119V007~~	CV# UH 1-19-89							UH	
1 20	3CBFB0120		BFB 50 ng		QA	0			UH	
1 20	3CS0120V050		STD 50 µg/L		QA	0			UH	

AUTO	UP	DATE	FILENAME	MS MSD	SAMPLE ID		CLIENT	DISK	TAPE	AUTO
X	LH	1 20	3CB0120V00 S.B. 1-3-89		WATER UNIT BLANK		QA	0	F3001	1
X	LH	1 20	3CR01102V01		211-04.02	M-1	PEG	0		X
X	LH	1 20	3CR01102V02		"	M-2	PEG	0		X
X	LH	1 20	3CR01102V03		"	M-3	PEG	0		X
X	LH	1 20	3CR01102V04		"	M-4	PEG	0		X
X	LH	1 20	3CU01102V06		"	M-7	PEG	0		X
X	LH	1 20	3CU01031V04		88954,003.04	8901JC14	HLA	0		7
X	LH	1 20	3CM01102V02	MS	211-04.02	M-2	PEG	0		8
X	LH	1 20	3CD01102V02	MSD	"	M-2	PEG	0		9
	LH	1 20	3CU01102V05 1:100		"	M-5	PEG	0		10
	LH	1 24	3EBFB0124		BFB 50 ng		QA	0		11
	LH	1 24	3ES0124V050		VSTD50 A		QA	0		12
	LH	1 24	3EB0124V000		VBLK1		QA	0		13
	LH	1 24	3CR01102V05		211-04.02	M-5	PEG	0		X
	LH	1 24	3CU01106V03		427318	W-1	TERRA	0		X
	LH	1 24	3CU01111V01		18064-1	W-51-MW2	AGS	0		X
	LH	1 24	3CU01115V01		87015-2A	W-42-MW4	AGS	0		X
	LH	1 24	3CB0124V001 CV48		WATER UNIT BLANK		QA	0		X
	LH	1 24	3CB0124V002 CV48		WATER UNIT BLANK		QA	0		X
	LH	1 24	3CB0124V003 CV49		WATER UNIT BLANK		QA	0		X
	LH	1 24	3CB0124V004 CV49		WATER UNIT BLANK		QA	0		X
	LH	1 24	3CB0124V005 CV50		WATER UNIT BLANK		QA	0		X
	LH	1 24	3CB0124V006 CV50		WATER UNIT BLANK		QA	0		X
	LH	1 25	3CBFB0125		BFB 50 ng		QA	0		24
	LH	1 25	3CS0125V050		STD 50 µg/L		QA	0		25
	LH	1 25	3CB0125V00		WATER UNIT BLANK		QA	0		26
	LH	1 25	3CU01110V01 1:100		68014-2	W-22-MW-2	AGS	0		27
	LH	1 25	3CU01112V01		433-10.11	GR08	EMCON	0		28
	LH	1 25	3CU01112V02 1:100		"	GR09	EMCON	0		29
	LH	1 25	3CR01112V02 1:1		"	GR09	EMCON	0		30
	LH	1 25	3CU01122V01		AG7-01.01	MW06	EMCON	0		31
	LH	1 25	3CU01124V01		B78-01.01	MW01	EMCON	0		32
	LH	1 25	3CU01124V02		"	MW02	EMCON	0		33
	LH	1 26	3CBFB0126		BFB 50					

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Jasco	Client Project ID:	#7401, Mountain View	Sampled: Aug 11, 1989
P.O. Drawer J	Matrix Descript:	Water	Received: Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed: Aug 25, 1989
Attention: Dan Thomas	First Sample #:	908-1771 B - C	Reported: Sep 5, 1989

ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 MODIFIED)

Sample Number	Sample Description	Methanol µg/L (ppb)	Ethanol µg/L (ppb)	Acetone µg/L (ppb)	Isopropanol µg/L (ppb)
908-1771	I-3-8-89	N.D.	N.D.	N.D.	N.D.
908-1772	V-3-8-89	310	2,700	N.D.	N.D.
908-1773	V-I-3-8-89	200	160	N.D.	N.D.
908-1774	V-4-8-89	730	N.D.	N.D.	N.D.
908-1777	V-9-8-89	N.D.	N.D.	N.D.	N.D.
908-1778	I-10-8-89	N.D.	N.D.	N.D.	N.D.
908-1779	I-2-8-89	N.D.	N.D.	N.D.	N.D.
908-1780	I-1-8-89	N.D.	N.D.	N.D.	N.D.
908-1781	V-8-8-89	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**60.0**	**50.0**	**15.0**	**20.0**

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

Table 2. Summary of Groundwater Chemical Analysis Results (ppm)
Jasco Chemical Corporation

Chemical	V-1	V-3	V-4	V-5	V-6	V-7	V-8	V-9	V-10	I-1	I-2	I-3	Minimum Detection Limit
Methanol	0.2	0.31	0.73	na	na	na	nd	nd	nd	nd	nd	nd	0.06
Ethanol	0.16	2.7	nd	na	na	na	nd	nd	nd	nd	nd	nd	0.05
High Boiling Point Hydrocarbons	0.2	33	0.082	na	na	na	na	na	na	na	na	na	0.05
Chloroethane	nd	nd	0.013	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.01
1,1-Dichloroethane	0.0037	0.008	0.27	nd	nd	0.012	nd	0.0027	nd	0.002	0.0035	nd	0.002
1,1-Dichloroethene	nd	nd	0.033	nd	nd	0.0033	nd	nd	nd	nd	0.0023	nd	0.002
Total 1,2-Dichloroethene	nd	0.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.002
Methylene Chloride	0.014	0.29	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.002
1,1,1-Trichloroethane	nd	0.0026	0.069	nd	nd	0.0067	0.0026	nd	nd	nd	0.0027	nd	0.002
Vinyl chloride	nd	nd	0.0026	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.002
Other Analytes per EPA method 8240	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	na
Analytes per EPA method 8270	na	nd	na	na	na	na	na	na	na	na	na	na	na

nd - not detected
na - not analyzed

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Matrix Descript:	Water	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 3510/8015	Extracted:	Aug 25, 1989
Attention: Dan Thomas	First Sample #:	908-1772 A	Analyzed:	Aug 31, 1989
			Reported:	Sep 5, 1989

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
908-1772	V-3-5-89	33,000
908-1773	V-1-8-89	200
908-1774	V-4-8-89	82

Detection Limits:	**50.0**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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9061771.JAS <2>

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-1-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1773 E - F	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	3.7
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	14
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-1-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Aug 17, 1989
Attention: Dan Thomas	Lab Number:	908-1773 B	Analyzed:	Sep 1, 1989
			Reported:	Sep 5, 1989

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10.0	N.D.
2,4-Dinitrophenol	50.0	N.D.
2-Methyl-4,6-dinitrophenol	50.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20.0	N.D.
Pentachlorophenol	20.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7401, Mountain View		Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-3-8-89		Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1772	D - E	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	8.0
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	200
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	290
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.8
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco P.O. Drawer J Mountain View, CA 94042 Attention: Dan Thomas	Client Project ID: Sample Descript: Analysis Method: Lab Number:	#7401, Mountain View Water, V-3-8-89 EPA 8270 908-1772 F	Sampled: Received: Extracted: Analyzed: Reported:	Aug 11, 1989 Aug 11, 1989 Aug 25, 1989 Aug 31, 1989 Sep 5, 1989

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50.0	N.D.
Benzoic Acid	10.0	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
[illegible]-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10.0	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10.0	N.D.
2,4-Dinitrophenol	10.0	N.D.

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-4-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1774 E - F	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	13
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	270
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	33
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	59
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	2.6
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

9081771.JAS <9>

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-4-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Aug 17, 1989
Attention: Dan Thomas	Lab Number:	908-1774 B	Analyzed:	Sep 1, 1989
			Reported:	Sep 5, 1989

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10.0	N.D.
2,4-Dinitrophenol	50.0	N.D.
2-Methyl-4,6-dinitrophenol	50.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20.0	N.D.
Pentachlorophenol	20.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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9081771JAS <5>

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-5-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1783 A - B	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-6-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1775 A - B	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
[illegible]ichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

9081771.JAS <10>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-6A-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1776 A - B	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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9081771.JAS <11>

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-7-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1782 A - B	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	12
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	3.3
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	6.7
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7401, Mountain View		Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-8-8-89		Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1781	C - D	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.6
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-9-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1777 C - D	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
[illegible]romomethane	2.0	N.D.
1,[illegible]-Dichloroethane	2.0	2.7
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

[illegible]OIA ANALYTICAL

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, V-10-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1778 C - D	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, I-1-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1780 C - D	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	2.0
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton
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9081771.JAS <15>

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, I-2-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1779 C - D	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	3.5
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	2.3
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.7
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton
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9081771.JAS <14>

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680 Chesapeake Drive • Redwood City, CA 94063
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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, I-3-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1771 D - E	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7401, Mountain View	Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, I-3-8-89	Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Aug 17, 1989
Attention: Dan Thomas	Lab Number:	908-1771 A	Analyzed:	Sep 1, 1989
			Reported:	Sep 5, 1989

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10.0	N.D.
2,4-Dinitrophenol	50.0	N.D.
2-Methyl-4,6-dinitrophenol	50.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20.0	N.D.
Pentachlorophenol	20.0	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7401, Mountain View		Sampled:	Aug 11, 1989
P.O. Drawer J	Sample Descript:	Water, Travel Blank		Received:	Aug 11, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Aug 25, 1989
Attention: Dan Thomas	Lab Number:	908-1784	A - B	Reported:	Sep 5, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

9081771.JAS <19>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V1	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Dec 15, 1989
Attention: Dan Thomas	Lab Number:	912-0236 A-B	Reported:	Dec 21, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	3.2
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID:	Jasco #7403		Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V-3		Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Dec 7, 1989
Attention: Dan Thomas	Lab Number:	912-0238	A - B	Reported:	Dec 11, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	36
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	6.4
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	11
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.2
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
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Jasco	Client Project ID:	Jasco #7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Dec 7, 1989
Attention: Dan Thomas	Lab Number:	912-0239 A - B	Reported:	Dec 11, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	500.0	1,700
Benzene	100.0	N.D.
Bromodichloromethane	100.0	N.D.
Bromoform	100.0	N.D.
Bromomethane	100.0	N.D.
2-Butanone	500.0	N.D.
Carbon disulfide	100.0	N.D.
Carbon tetrachloride	100.0	N.D.
Chlorobenzene	100.0	N.D.
Chlorodibromomethane	100.0	N.D.
Chloroethane	100.0	390
2-Chloroethyl vinyl ether	500.0	N.D.
Chloroform	100.0	N.D.
Chloromethane	100.0	N.D.
1,1-Dichloroethane	100.0	7,800
1,2-Dichloroethane	100.0	N.D.
1,1-Dichloroethene	100.0	190
Total 1,2-Dichloroethene	100.0	N.D.
1,2-Dichloropropane	100.0	N.D.
cis 1,3-Dichloropropene	100.0	N.D.
trans 1,3-Dichloropropene	100.0	N.D.
Ethylbenzene	100.0	N.D.
2-Hexanone	500.0	N.D.
Methylene chloride	100.0	3,500
4-Methyl-2-pentanone	500.0	N.D.
Styrene	100.0	N.D.
1,1,2,2-Tetrachloroethane	100.0	N.D.
Tetrachloroethene	100.0	N.D.
Toluene	100.0	N.D.
1,1,1-Trichloroethane	100.0	1,700
1,1,2-Trichloroethane	100.0	N.D.
Trichloroethene	100.0	N.D.
Trichlorofluoromethane	100.0	N.D.
Vinyl acetate	100.0	N.D.
Vinyl chloride	100.0	N.D.
Total Xylenes	100.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
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Jasco	Client Project ID:	Jasco, 7403		Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V7		Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Dec 15, 1989
Attention: Dan Thomas	Lab Number:	912-0233	A-B	Reported:	Dec 21, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	12
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	5.0
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	4.6
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V8	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Dec 15, 1989
Attention: Dan Thomas	Lab Number:	912-0232 A-B	Reported:	Dec 21, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.0
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
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Jasco	Client Project ID:	Jasco, 7403		Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V9		Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Dec 15, 1989
Attention: Dan Thomas	Lab Number:	912-0231	A-B	Reported:	Dec 21, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.9
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	2.3
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
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Jasco	Client Project ID:	Jasco #7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V-10	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Dec 7, 1989
Attention: Dan Thomas	Lab Number:	912-0237 A - B	Reported:	Dec 11, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID:	Jasco, 7403		Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, I1		Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Dec 15, 1989
Attention: Dan Thomas	Lab Number:	912-0235	A-B	Reported:	Dec 21, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

9120231.JAS <5>

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Jasco	Client Project ID:	Jasco, 7403		Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, I2		Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240		Analyzed:	Dec 15, 1989
Attention: Dan Thomas	Lab Number:	912-0234	A-B	Reported:	Dec 21, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	4.8
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	2.6
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	3.8
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Matrix Descript:	Water	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 3510/8015	Extracted:	Dec 6, 1989
Attention: Dan Thomas	First Sample #:	912-0236 F	Analyzed:	Dec 19, 1989
			Reported:	Dec 21, 1989

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
912-0236	V1	300
912-0237	V4	2,100

Detection Limits:	100.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

Please Note:
Well V4 exhibits contamination similar to that of V3. If "Arcosolv" Glycol Ether mixture peaks included, total would exceed 10,000 µg/L.

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Jasco	Client Project ID:	Jasco #7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Matrix Descript:	Water, V-3	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 3510/8015	Extracted:	Dec 7, 1989
Attention: Dan Thomas	First Sample #:	912-0238 E	Analyzed:	Dec 8, 1989
			Reported:	Dec 11, 1989

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
9120238 E	V-3	920

Detection Limits:	50.0

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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Please Note:
Reported value does not include peaks representing "Arcosolv" glycol ether mixture. If those peaks included then HBP hydrocarbons would equal 1,500 µg/L.

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Jasco	Client Project ID: Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript: Water, V1	Received:	Dec 1, 1989
Mountain View, CA 94042		Analyzed:	Dec 12, 1989
Attention: Dan Thomas	Lab Number: 912-0236 C-D	Reported:	Dec 21, 1989

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
Project Manager

9120231.JAS <12>

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Jasco	Client Project ID:	Jasco #7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Dec 1, 1989
Mountain View, CA 94042			Analyzed:	Dec 8, 1989
Attention: Dan Thomas	Lab Number:	912-0238 C - D	Reported:	Dec 11, 1989

ACETONE & ALCOHOLS BY GAS CHROMOTAGRAPHY (EPA 8015 MODIFIED)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

9120237.JAS <2>

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Jasco	Client Project ID: Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript: Water, V3A	Received:	Dec 1, 1989
Mountain View, CA 94042		Analyzed:	Dec 12, 1989
Attention: Dan Thomas	Lab Number: 912-0241 A-B	Reported:	Dec 21, 1989

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V3B, Filtered in lab	Received:	Dec 1, 1989
Mountain View, CA 94042			Analyzed:	Dec 12, 1989
Attention: Dan Thomas	Lab Number:	912-0242 A-B	Reported:	Dec 21, 1989

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
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9120231.JAS <14>

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Jasco	Client Project ID:	Jasco #7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Dec 1, 1989
Mountain View, CA 94042			Analyzed:	Dec 8, 1989
Attention: Dan Thomas	Lab Number:	912-0239 C - D	Reported:	Dec 11, 1989

ACETONE & ALCOHOLS BY GAS CHROMOTAGRAPHY (EPA 8015 MODIFIED)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	1,200
Ethanol	50.0	16,000
Isopropanol	20.0	1,400
Methanol	50.0	170

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID: Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript: Water, V8	Received:	Dec 1, 1989
Mountain View, CA 94042		Analyzed:	Dec 12, 1989
Attention: Dan Thomas	Lab Number: 912-0232 C-D	Reported:	Dec 21, 1989

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
Project Manager

9120231.JAS <9>

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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V9	Received:	Dec 1, 1989
Mountain View, CA 94042			Analyzed:	Dec 12, 1989
Attention: Dan Thomas	Lab Number:	912-0231 C-D	Reported:	Dec 21, 1989

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
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9120231.JAS <8>

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Jasco	Client Project ID:	Jasco #7403		Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V-10		Received:	Dec 1, 1989
Mountain View, CA 94042				Analyzed:	Dec 8, 1989
Attention: Dan Thomas	Lab Number:	912-0237	C - D	Reported:	Dec 11, 1989

ACETONE & ALCOHOLS BY GAS CHROMOTAGRAPHY (EPA 8015 MODIFIED)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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9120237.JAS <1>

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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, I1	Received:	Dec 1, 1989
Mountain View, CA 94042			Analyzed:	Dec 12, 1989
Attention: Dan Thomas	Lab Number:	912-0235 C-D	Reported:	Dec 21, 1989

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID: Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript: Water, I2	Received:	Dec 1, 1989
Mountain View, CA 94042		Analyzed:	Dec 12, 1989
Attention: Dan Thomas	Lab Number: 912-0234 C-D	Reported:	Dec 21, 1989

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15.0	N.D.
Ethanol	50.0	N.D.
Isopropanol	20.0	N.D.
Methanol	60.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V1	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Dec 11, 1989
Attention: Dan Thomas	Lab Number:	912-0236 E	Analyzed:	Dec 13, 1989
			Reported:	Dec 21, 1989

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	4.0	N.D.
2-Chlorophenol	4.0	N.D.
2,4-Dichlorophenol	4.0	N.D.
2,4-Dimethylphenol	20.0	N.D.
2,4-Dinitrophenol	100.0	N.D.
2-Methyl-4,6-dinitrophenol	100.0	N.D.
2-Nitrophenol	4.0	N.D.
4-Nitrophenol	40.0	N.D.
Pentachlorophenol	40.0	N.D.
Phenol	4.0	N.D.
2,4,6-Trichlorophenol	4.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	Jasco #7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8270	Extracted:	Dec 8, 1989
Attention: Dan Thomas	Lab Number:	912-0238	Analyzed:	Dec 8, 1989
			Reported:	Dec 11, 1989

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	4.0	N.D.
2,6-Dinitrotoluene	4.0	N.D.
Di-N-octyl phthalate	4.0	N.D.
Fluoranthene	4.0	N.D.
Fluorene	4.0	N.D.
Hexachlorobenzene	4.0	N.D.
Hexachlorobutadiene	4.0	N.D.
Hexachlorocyclopentadiene	4.0	N.D.
Hexachloroethane	4.0	N.D.
Indeno(1,2,3-cd)pyrene	4.0	N.D.
Isophorone	4.0	N.D.
2-Methylnaphthalene	4.0	N.D.
2-Methylphenol	4.0	N.D.
[illegible]methylphenol	4.0	N.D.
[illegible]aphthalene	4.0	N.D.
2-Nitroaniline	20.0	N.D.
3-Nitroaniline	20.0	N.D.
4-Nitroaniline	20.0	N.D.
Nitrobenzene	4.0	N.D.
2-Nitrophenol	4.0	N.D.
4-Nitrophenol	20.0	N.D.
N-Nitrosodiphenylamine	4.0	N.D.
N-Nitroso-di-N-propylamine	4.0	N.D.
Pentachlorophenol	20.0	N.D.
Phenathrene	4.0	N.D.
Phenol	4.0	N.D.
Pyrene	4.0	N.D.
1,2,4-Trichlorobenzene	4.0	N.D.
2,4,5-Trichlorophenol	20.0	N.D.
2,4,6-Trichlorophenol	4.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, V4	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Dec 11, 1989
Attention: Dan Thomas	Lab Number:	912-0239 E	Analyzed:	Dec 13, 1989
			Reported:	Dec 21, 1989

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	4.0	N.D.
2-Chlorophenol	4.0	N.D.
2,4-Dichlorophenol	4.0	N.D.
2,4-Dimethylphenol	20.0	N.D.
2,4-Dinitrophenol	100.0	N.D.
2-Methyl-4,6-dinitrophenol	100.0	N.D.
2-Nitrophenol	4.0	N.D.
4-Nitrophenol	40.0	N.D.
Pentachlorophenol	40.0	N.D.
Phenol	4.0	N.D.
2,4,6-Trichlorophenol	4.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	Jasco, 7403	Sampled:	Dec 1, 1989
P.O. Drawer J	Sample Descript:	Water, Travel Blank	Received:	Dec 1, 1989
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Dec 15, 1989
Attention: Dan Thomas	Lab Number:	912-0240 A-B	Reported:	Dec 21, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10.0	29
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10.0	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10.0	N.D.
Methylene chloride	2.0	18
4-Methyl-2-pentanone	10.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
Project Manager

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600 P.O. Drawer J Mountain View, CA 94042 Attention: Dan Thomas	Client Project ID: #7403 Matrix Descript: Water Analysis Method: EPA 3510/8015 First Sample #: 001-4102 E	Sampled: Jan 31, 1990 Received: Jan 31, 1990 Extracted: Feb 5, 1990 Analyzed: Feb 20, 1990 Reported: Feb 26, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
001-4102	V3	250
001-4103	V1	1,100
001-4104	V4	120

Detection Limits:	50

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
Project Manager

Please Note:
"Arcosolv" Glycol Ether mix subtracted from V3 & V4 results. If "Arcosolv" included then HBP results would be: V3 = 480 µg/L, V4 = 200 µg.

14102.JAS <1>

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660 Chesapeake Drive • Redwood City, CA 94063
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Jasco	Client Project ID: #7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, V1	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4103 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	38
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	5.2
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <26>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript:	Water, V1	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number:	001-4103 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <11>

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Jasco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, V1	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8040	Extracted:	Feb 7, 1990
Attention: Dan Thomas	Lab Number: 001-4103 F	Analyzed:	Feb 22, 1990
		Reported:	Feb 26, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102JAS <3>

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID: #7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, V3	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4102 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	4.7
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	14
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <24>

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Jasco	Client Project ID:	#7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript:	Water, V3	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number:	001-4102 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	20
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	3,800

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102-JAB <10>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, V3	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8270	Extracted:	Feb 13, 1990
Attention: Dan Thomas	Lab Number: 001-4102 F	Analyzed:	Feb 16, 1990
		Reported:	Feb 28, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, V3	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8270	Extracted:	Feb 13, 1990
Attention: Dan Thomas	Lab Number: 001-4102	Analyzed:	Feb 18, 1990
		Reported:	Feb 26, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	N.D.
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenathrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <31>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, V4	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4105 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	20	N.D.
Benzene	4.0	N.D.
Bromodichloromethane	4.0	N.D.
Bromoform	4.0	N.D.
Bromomethane	4.0	N.D.
2-Butanone	20	N.D.
Carbon disulfide	4.0	N.D.
Carbon tetrachloride	4.0	N.D.
Chlorobenzene	4.0	N.D.
Chlorodibromomethane	4.0	N.D.
Chloroethane	4.0	6.8
2-Chloroethyl vinyl ether	20	N.D.
Chloroform	4.0	N.D.
Chloromethane	4.0	N.D.
[illegible]-Dichloroethane	4.0	290
[illegible]-Dichloroethane	4.0	N.D.
1,1-Dichloroethene	4.0	20
Total 1,2-Dichloroethane	4.0	N.D.
1,2-Dichloropropane	4.0	N.D.
cis 1,3-Dichloropropene	4.0	N.D.
trans 1,3-Dichloropropene	4.0	N.D.
Ethylbenzene	4.0	N.D.
2-Hexanone	20	N.D.
Methylene chloride	4.0	15
4-Methyl-2-pentanone	20	N.D.
Styrene	4.0	N.D.
1,1,2,2-Tetrachloroethane	4.0	N.D.
Tetrachloroethene	4.0	N.D.
Toluene	4.0	N.D.
1,1,1-Trichloroethane	4.0	140
1,1,2-Trichloroethane	4.0	N.D.
Trichloroethene	4.0	N.D.
Trichlorofluoromethane	4.0	N.D.
Vinyl acetate	4.0	N.D.
Vinyl chloride	4.0	3.4
Total Xylenes	4.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

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Jasco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, V4	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number: 001-4105 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	100
Ethanol	50	200
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102-JAB <13>

SEQUOIA ANALYTICAL
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Basco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, V4	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8040	Extracted:	Feb 7, 1990
Attention: Dan Thomas	Lab Number: 001-4105 F	Analyzed:	Feb 22, 1990
		Reported:	Feb 26, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102JAS <4>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID: #7403	Sampled:	Jan 30, 1990
P.O. Drawer J	Sample Descript: Water, V5	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4100 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAB <22>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
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Jasco	Client Project ID: #7403	Sampled:	Jan 30, 1990
P.O. Drawer J	Sample Descript: Water, V6	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4099 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JA8 <21>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID: #7403	Sampled:	Jan 30, 1990
P.O. Drawer J	Sample Descript: Water, V7	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4098 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	15
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	2.4
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	3.2
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <20>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled:	Jan 30, 1990
P.O. Drawer J	Sample Descript: Water, V8	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 6, 1990
Attention: Dan Thomas	Lab Number: 001-4095 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.5
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <17>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
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Jasco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, V8	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number: 001-4095 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <8>

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403	Sampled:	Jan 30, 1990
P.O. Drawer J	Sample Descript:	Water, V9	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Feb 6, 1990
Attention: Dan Thomas	Lab Number:	001-4094 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
[illegible]romomethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	2.8
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript:	Water, V9	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number:	001-4094 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JA3 <6>

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Jasco	Client Project ID:	#7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript:	Water, V10	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number:	001-4104 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <26>

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Jasco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, V10	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number: 001-4104 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

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Jasco	Client Project ID: #7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, 11	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4101 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, I1	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number: 001-4101 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <9>

SEQUOIA ANALYTICAL

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Jasco	Client Project ID: #7403	Sampled:	Jan 30, 1990
P.O. Drawer J	Sample Descript: Water, I2	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4096 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.9
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	3.2
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102JAS <18>

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript:	Water, I2	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number:	001-4096 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <7>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled:	Jan 30, 1990
P.O. Drawer J	Sample Descript: Water, I3	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4097 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	N.D.
[illegible]-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, I3	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number: 001-4097 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <8>

SEQUOIA ANALYTICAL

660 Chesapeake Drive • Redwood City, CA 94063
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Casco	Client Project ID: #7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript: Water, I3	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8040	Extracted:	Feb 7, 1990
Attention: Dan Thomas	Lab Number: 001-4097 F	Analyzed:	Feb 20, 1990
		Reported:	Feb 26, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAB <2>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled: Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, EB	Received: Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed: Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4106 A-B	Reported: Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript:	Water, EB	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number:	001-4106 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <14>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID: #7403	Sampled:	Jan 31, 1990
P.O. Drawer J	Sample Descript: Water, FB	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	Feb 8, 1990
Attention: Dan Thomas	Lab Number: 001-4107 A-B	Reported:	Feb 26, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	2
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <29>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID:	#7403	Sampled:	1/30-1/31/90
P.O. Drawer J	Sample Descript:	Water, FB	Received:	Jan 31, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Feb 14, 1990
Attention: Dan Thomas	Lab Number:	001-4107 C-D	Reported:	Feb 26, 1990

ACETONE & ALCOHOL BY GC (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Bjorn A. Bjorkman
Project Manager

14102.JAS <16>

D.H. MATERIALS CORPORATION
FEBRUARY 28, 1990

PROJECT: JASCO CHEMICAL CORP. MOUNTAIN VIEW, CA. PROJECT NUMBER: 7403

SAMPLE NUMBER: MA9625

TOTAL EXTRACTABLE HYDROCARBONS

Date Extracted: 02-13-90
Date Analzyed: 02-20-90
QC Batch Number: 90-0293

HSL SEMI VOLATILES

Date Analzyed: 02-09-90
QC Batch Number: 90-0219

PRIORITY POLLUTANT VOLATILES

Date Analzyed: 02-12-90
QC Batch Number: 90-0321

METHANOL, ETHANOL, ACETONE, ISOPROPYL ALCOHOL, METHYL ETHYL KETONE

Date Analyzed: 02-22-90
QC Batch Number: QW0210

Pg

MULTI - TECH, A Division of
Environmental Testing and Certification Corp.
320 Tesconi Circle, Suite G
Santa Rosa, California 95401
707-544-5570

ETC - MULTI-TECH

FEBRUARY 28, 1990

CLIENT:	O.H. MATERIALS CORPORATION SUITE #9 1425 W. NORTH MARKET BLVD. SACRAMENTO, CA 95834
ATTN:	SCOTT RICE
ANALYSIS:	PETROLEUM HYDROCARBONS (IR), HSL SEMI VOLATILES, PRIORITY POLLUTANT VOLATILES, EPA METHOD 8015-DIRECT INJECTION: NONHALOGENATED VOLATILE ORGANICS
QC BATCH NUMBER:	90-0293, 90-0219, 90-0321, QW0210
PROJECT:	JASCO CHEMICAL CORP. MOUNTAIN VIEW CA. PROJECT NUMBER: 7403
SAMPLE TYPE:	LIQUID
COLLECTED BY:	CLIENT

SAMPLE NO.	SAMPLE POINT	SAMPLE DATE	DATE IN LAB
MA9625	V-4 GROUNDWATER FROM MONITER WELL	01-31-90	02-02-90

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Environmental Testing and Certification Corp. assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

The analyses and data interpretation that form the basis of this report were prepared under the direct supervision and control of the undersigned who is solely responsible for the contents and conclusions therein.

Reviewed and Approved by: Thomas F. Cullen Jr.
Thomas F. Cullen Jr., Laboratory Director
ETC/Multi-Tech Laboratories, Inc.

2/28/90
Date

FEB 28, 1990

TABLE 1: QUANTATIVE RESULTS

CALIFORNIA "LUFT" ORGANICS (ZR62)

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Hours
MA9625	O. H. MATERIALS	7403	V-4	900131		0

Compound	Results: Sample Concen. ug/l	MDL ug/l	Blank Data ug/l	Batch #
Petroleum Hydrocarbons(heavy)	300	300	ND	Q900293

FEB[illegible], 1990

TABLE 1: QUANTITATIVE RESULTS

PRIORITY POLLUTANT VOLATILES

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Hours
MA9625	O. H. MATERIALS	7403	V-4	900131		0

Compound	Results: Sample Concen. ug/l	MDL ug/l	Blank Data ug/l	Batch #
Chloromethane	ND	10.0	ND	Q900321
Bromomethane	ND	10.0	ND	Q900321
Vinyl chloride	ND	10.0	ND	Q900321
Chloroethane	ND	10.0	ND	Q900321
Methylene chloride	12.8	5.00	ND	Q900321
Acrolein	ND	1000	ND	Q900321
Acetone	ND	100	ND	Q900321
Carbon disulfide	ND	5.00	ND	Q900321
Acrylonitrile	ND	500	ND	Q900321
Trichlorofluoromethane	ND	10.0	ND	Q900321
1,1-Dichloroethene	26.2	5.00	ND	Q900321
1,1-Dichloroethane	328	5.00	ND	Q900321
trans-1,2-Dichloroethene	ND	5.00	ND	Q900321
Chloroform	ND	5.00	ND	Q900321
1,2-Dichloroethane	ND	5.00	ND	Q900321
2-Butanone	ND	10.0	ND	Q900321
1,1,1-Trichloroethane	129	5.00	ND	Q900321
Carbon tetrachloride	ND	5.00	ND	Q900321
Vinyl acetate	ND	10.0	ND	Q900321
Bromodichloromethane	ND	5.00	ND	Q900321
1,2-Dichloropropane	ND	5.00	ND	Q900321
cis-1,3-Dichloropropene	ND	5.00	ND	Q900321
Trichloroethene	ND	5.00	ND	Q900321
Dibromochloromethane	ND	5.00	ND	Q900321
1,1,2-Trichloroethane	ND	5.00	ND	Q900321
Benzene	ND	5.00	ND	Q900321
trans-1,3-Dichloropropene	ND	5.00	ND	Q900321
2-Chloroethylvinyl ether	ND	10.0	ND	Q900321
Bromoform	ND	5.00	ND	Q900321
2-Hexanone	ND	10.0	ND	Q900321
4-Methyl-2-pentanone	ND	10.0	ND	Q900321
Tetrachloroethene	ND	5.00	ND	Q900321
1,1,2,2-Tetrachloroethane	ND	5.00	ND	Q900321
Toluene	ND	5.00	ND	Q900321
Chlorobenzene	ND	5.00	ND	Q900321
Ethylbenzene	ND	5.00	ND	Q900321
Styrene	ND	5.00	ND	Q900321
m-Xylene	ND	5.00	ND	Q900321
o+p-Xylenes	ND	5.00	ND	Q900321

TABLE 1: QUANTITATIVE RESULTS

FEB 27, 1990

EPA METHOD 8015-DIRECT INJECTION: NONHALOGENATED VOLATILE ORGANICS (ZR56)

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Hours
MA9625	O. H. MATERIALS	7403	V-4	900131		0

Compound	Results: Sample Concen. mg/kg	MDL mg/kg	Blank Data mg/kg	Batch #
Ethanol	ND	1.00	ND	QW0210
Isopropanol	ND	1.00	ND	QW0210
Methanol	ND	10.0	ND	QW0210
Methyl ethyl ketone	ND	10.0	ND	QW0210
Acetone	ND	10.0	ND	QW0210

TABLE 1: QUANTITATIVE RESULTS

FEB, 1990

HSL SEMI-VOLATILES - (ZR06)

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Hours
MA9625	O. H. MATERIALS	7403	V-4	900131		0

Compound	Results: Sample Concen. ug/l	MDL ug/l	Blank Data ug/l	Batch #
Phenol	ND	10.0	ND	Q900219
2-Chlorophenol	ND	10.0	ND	Q900219
2-Methylphenol	ND	10.0	ND	Q900219
4-Methylphenol	ND	10.0	ND	Q900219
2-Nitrophenol	ND	10.0	ND	Q900219
2,4-Dimethylphenol	ND	10.0	ND	Q900219
2,4-Dichlorophenol	ND	10.0	ND	Q900219
p-Chloro-m-cresol	ND	10.0	ND	Q900219
2,4,6-Trichlorophenol	ND	10.0	ND	Q900219
2,4,5-Trichlorophenol	ND	10.0	ND	Q900219
2,4-Dinitrophenol	ND	50.0	ND	Q900219
4-Nitrophenol	ND	50.0	ND	Q900219
4,6-Dinitro-o-cresol	ND	50.0	ND	Q900219
Pentachlorophenol	ND	50.0	ND	Q900219

TABLE 1: QUALITY ASSURANCE DATA

FEB 17, 1990

HSL SEMI-VOLATILES - (ZR06)

Chain of Custody Data Required for ETC Data Management Summary Reports

See Below

ETC Batch No.

Compound	QC Blank and Spiked Data			QC Matrix Spike			QC Duplicate			
	Blank Data ug/l	Concen. Added ug/l	% Recov	Unspiked Sample ug/l	Concen. Added ug/l	% Recov	First ug/l	Second ug/l	RPD	Batch #
Phenol	ND	100	87	27.1	100	77	104	118	13	Q900219
2-Chlorophenol	ND	100	86	ND	100	71	70.6	75.4	7	Q900219
1,4-Dichlorobenzene	ND	50.0	89	ND	50.0	87	43.7	42.7	2	Q900219
N-Nitroso-di-n-propylamine	ND	50.0	89	ND	50.0	96	47.8	48.8	2	Q900219
1,2,4-Trichlorobenzene	ND	50.0	83	ND	50.0	79	39.5	38.2	3	Q900219
p-Chloro-m-cresol	ND	100	88	ND	100	92	92.2	93.0	.9	Q900219
Acenaphthene	ND	50.0	90	ND	50.0	79	39.7	39.7	.08	Q900219
4-Nitrophenol	ND	100	68	ND	100	82	82.2	87.8	7	Q900219
2,4-Dinitrotoluene	ND	50.0	90	ND	50.0	94	46.9	49.0	4	Q900219
Pentachlorophenol	ND	100	62	ND	100	97	97.1	112	15	Q900219
Di-n-butyl phthalate	ND	50.0	0	ND	50.0	0	ND	ND	0	Q900219
Pyrene	ND	50.0	111	ND	50.0	42	21.0	21.5	2	Q900219

Di-n-butyl phthalate shows no recovery because it was not included in the matrix spiking solution for this batch by sample prep.

TABLE 1: QUALITY ASSURANCE DATA

FEB 1, 1990

PRIORITY POLLUTANT VOLATILES (ZR05)

Chain of Custody Data Required for ETC Data Management Summary Reports

See Below

ETC Batch No.

Compound	QC Blank and Spiked Data			QC Matrix Spike			QC Duplicate			
	Blank Data ug/l	Concen. Added ug/l	% Recov	Unspiked Sample ug/l	Concen. Added ug/l	% Recov	First ug/l	Second ug/l	RPD	Batch #
1,1-Dichloroethene	ND	20.0	102	ND	50.0	93	46.4	46.2	.5	Q900321
Trichloroethene	ND	20.0	98	ND	50.0	94	47.0	51.3	9	Q900321
Benzene	ND	20.0	98	ND	50.0	97	48.5	45.0	7	Q900321
Toluene	ND	20.0	97	ND	50.0	96	50.9	47.2	8	Q900321
Chlorobenzene	ND	20.0	99	ND	50.0	97	48.6	48.6	.008	Q900321

TABLE 1: QUALITY ASSURANCE DATA

FEB 28, 1990

EPA METHOD 8015-DIRECT INJECTION: NONHALOGENATED VOLATILE ORGANICS (ZR56)

Chain of Custody Data Required for ETC Data Management Summary Reports

See Below

ETC Batch No.

Compound	QC Blank and Spiked Data			QC Matrix Spike			QC Duplicate			
	Blank Data mg/kg	Concen. Added mg/kg	% Recov	Unspiked Sample mg/kg	Concen. Added mg/kg	% Recov	First mg/kg	Second mg/kg	RPD	Batch #
Ethanol	ND	18.8	101	-	-	-	-	-	-	QW0210
Isopropanol	ND	18.8	13	-	-	-	-	-	-	QW0210
Methanol	ND	19.0	96	-	-	-	-	-	-	QW0210
Methyl ethyl ketone	ND	19.3	101	-	-	-	-	-	-	QW0210

TABLE 2: METHOD PERFORMANCE DATA

Surrogate Recovery

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Hours
MA9625	O. H. MATERIALS	7403	V-4	900131		0

Compound	Amount added ug	% Recovery	Control Limits Lower	Control Limits Upper
VOLATILE FRACTION (GC/MS)				
1,2-Dichloroethane-D4	.250	110	76	114
Bromofluorobenzene	.250	98	86	115
Toluene-D8	.250	99	88	110
BASE/NEUTRAL FRACTION (GC/MS)				
Nitrobenzene-D5	0	0	35	114
2-Fluorobiphenyl	0	0	43	116
Terphenyl-D14	0	0	33	141
ACID FRACTION (GC/MS)				
Phenol-D6	100	65	10	94
2-Fluorophenol	100	81	21	100
2,4,6-Tribromophenol	100	87	10	123
PESTICIDE/PCB FRACTION (GC)				
Dibutylchlorendate	-	-	-	-
Bromochloromethane	-	-	-	-
a,a,a-Trifluorotoluene	-	-	-	-

TABLE 2: METHOD PERFORMANCE DATA

FEB 21, 1990

Surrogate Recovery

Chain of Custody Data Required for ETC Data Management Summary Reports

ETC Sample No.	Company	Facility	Sample Point	Date	Time	Hours
MA9625	O. H. MATERIALS	7403	V-4	900131		0

Compound	Amount added ug	% Recovery	Control Limits Lower	Control Limits Upper
VOLATILE FRACTION (GC/MS)				
1,2-Dichloroethane-D4	.250	110	76	114
Bromofluorobenzene	.250	98	86	115
Toluene-D8	.250	99	88	110
BASE/NEUTRAL FRACTION (GC/MS)				
Nitrobenzene-D5	-	-	-	-
2-Fluorobiphenyl	-	-	-	-
Terphenyl-D14	-	-	-	-
ACID FRACTION (GC/MS)				
Phenol-D6	-	-	-	-
2-Fluorophenol	-	-	-	-
2,4,6-Tribromophenol	-	-	-	-
PESTICIDE/PCB FRACTION (GC)				
Dibutylchlorendate	-	-	-	-
Bromochloromethane	-	-	-	-
a,a,a-Trifluorotoluene	-	-	-	-

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID: #7403	Sampled: 4/25-26/90
P.O. Drawer J	Matrix Descript: Water	Received: Apr 26, 1990
Mountain View, CA 94042	Analysis Method: EPA 3510/8015	
Attention: Dan Thomas	First Sample #: 004-3815	Analyzed: May 7, 1990
		Reported: May 11, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
004-3815	MW V-1	970
004-3816	MW V-3	270
004-3817	MW V-4	240

Detection Limits:	**50**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

Please Note:
The above samples do not appear to contain diesel.

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-1	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3815	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	8.2
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	6.8
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Maria Lee
Project Manager

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-1	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3815	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

43815.JAS <2>

SEQUOIA ANALYTICAL

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Jasco	Client Project ID: #7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript: Water, MW V-1	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method: EPA 8040		
Attention: Dan Thomas	Lab Number: 004-3815	Analyzed:	May 9, 1990
		Reported:	May 11, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	37
Pentachlorophenol	20	23
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-3	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3816	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	3.3
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	53
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Project Manager

43815.JAS <16>

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-3	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3816	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

43815.JAS <3>

SEQUOIA ANALYTICAL

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Jasco	Client Project ID: #7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript: Water, MW V-3	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method: EPA 8270		
Attention: Dan Thomas	Lab Number: 004-3816	Analyzed:	May 9, 1990
		Reported:	May 11, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-3	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8270		
Attention: Dan Thomas	Lab Number:	004-3816	Analyzed:	May 9, 1990
			Reported:	May 11, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	N.D.
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenathrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-4	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3817	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	20	N.D.
Benzene	4.0	N.D.
Bromodichloromethane	4.0	N.D.
Bromoform	4.0	N.D.
Bromomethane	4.0	N.D.
2-Butanone	20	N.D.
Carbon disulfide	4.0	N.D.
Carbon tetrachloride	4.0	N.D.
Chlorobenzene	4.0	N.D.
Chlorodibromomethane	4.0	N.D.
Chloroethane	4.0	6.1
2-Chloroethyl vinyl ether	20	N.D.
Chloroform	4.0	N.D.
Chloromethane	4.0	N.D.
1,1-Dichloroethane	4.0	230
1,2-Dichloroethane	4.0	N.D.
1,1-Dichloroethene	4.0	21
Total 1,2-Dichloroethene	4.0	N.D.
1,2-Dichloropropane	4.0	N.D.
cis 1,3-Dichloropropene	4.0	N.D.
trans 1,3-Dichloropropene	4.0	N.D.
Ethylbenzene	4.0	N.D.
2-Hexanone	20	N.D.
Methylene chloride	4.0	5.0
4-Methyl-2-pentanone	20	N.D.
Styrene	4.0	N.D.
1,1,2,2-Tetrachloroethane	4.0	N.D.
Tetrachloroethene	4.0	N.D.
Toluene	4.0	N.D.
1,1,1-Trichloroethane	4.0	41
1,1,2-Trichloroethane	4.0	N.D.
Trichloroethene	4.0	N.D.
Trichlorofluoromethane	4.0	N.D.
Vinyl acetate	4.0	N.D.
Vinyl chloride	4.0	5.3
Total Xylenes	4.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-4	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3817	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID: #7403	Sampled: Apr 25, 1990
P.O. Drawer J	Sample Descript: Water, MW V-4	Received: Apr 26, 1990
Mountain View, CA 94042	Analysis Method: EPA 8040	
Attention: Dan Thomas	Lab Number: 004-3817	Analyzed: May 9, 1990
		Reported: May 11, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-7	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3818	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	13
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	3.7
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	4.3
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-8	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3819	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.6
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-8	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3819	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-9	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3820	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.6
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-9	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3820	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID: #7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript: Water, MW V-10	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method: EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number: 004-3821	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	3.9
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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43815.JAS <21>

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW V-10	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3821	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW I-1	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3822	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW I-1	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3822	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, MW I-2	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3823	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.5
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.2
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Jasco	Client Project ID: #7403	Sampled: Apr 25, 1990
P.O. Drawer J	Sample Descript: Water, MW I-2	Received: Apr 26, 1990
Mountain View, CA 94042	Analysis Method: EPA 8015 Modified	Analyzed: May 8, 1990
Attention: Dan Thomas	Lab Number: 004-3823	Reported: May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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43815.JAS <9>

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, Equipment Wash	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3825	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	3.6
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, Equipment Wash	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3825	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, Field Blank	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3824	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	2.5
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, Field Blank	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 8, 1990
Attention: Dan Thomas	Lab Number:	004-3824	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, Travel Blank	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	May 3, 1990
Attention: Dan Thomas	Lab Number:	004-3826	Reported:	May 11, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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43815.JAS <26>

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Jasco	Client Project ID:	#7403	Sampled:	Apr 25, 1990
P.O. Drawer J	Sample Descript:	Water, Travel Blank	Received:	Apr 26, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	May 7, 1990
Attention: Dan Thomas	Lab Number:	004-3826	Reported:	May 11, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Matrix Descript:	Water	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jun 29, 1990
Attention: Dan Thomas	First Sample #:	006-4068	Reported:	Jul 12, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons µg/L (ppb)	Benzene µg/L (ppb)	Toluene µg/L (ppb)	Ethyl Benzene µg/L (ppb)	Xylenes µg/L (ppb)
006-4068	V-11	N.D.	N.D.	N.D.	N.D.	N.D.
006-4069	V-12	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		30	0.30	0.30	0.30	0.30

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Matrix Descript:	Water	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 3510/8015		
Attention: Dan Thomas	First Sample #:	006-4068	Analyzed:	Jul 9, 1990
			Reported:	Jul 12, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
006-4068	V-11	N.D.
006-4069	V-12	N.D.

Detection Limits:	**50**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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64066.JAS <12>

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, V-11	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4068	Reported:	Jul 12, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, V-11	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 5, 1990
Attention: Dan Thomas	Lab Number:	006-4068	Reported:	Jul 12, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Water, V-11	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4068	Reported:	Jul 12, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, V-12	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4069	Reported:	Jul 12, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, V-12	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 5, 1990
Attention: Dan Thomas	Lab Number:	006-4069	Reported:	Jul 12, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Water, V-12	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4069	Reported:	Jul 12, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, TB-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3982	Reported:	Jul 16, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, TB-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3982	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.5	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.5	N.D.
Toluene	0.5	N.D.
Xylene	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, EW-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3981	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, EW-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3981	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.5	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.5	N.D.
Toluene	0.5	N.D.
Xylene	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403		Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, EW2		Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010		Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4070		Reported:	Jul 12, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Water, EW2	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4070	Reported:	Jul 12, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, EW2	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 5, 1990
Attention: Dan Thomas	Lab Number:	006-4070	Reported:	Jul 12, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26-27, 1990
P.O. Drawer J	Matrix Descript:	Water	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 3510/8015	Extracted:	Aug 1, 1990
Attention: Dan Thomas	First Sample #:	007-4840	Analyzed:	Aug 2, 1990
			Reported:	Aug 22, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
007-4840	V-4	350
007-4841	V-1	610
007-4842	V-3	150

Detection Limits:	**50**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, V-I	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4841	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	5.6
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	17
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, V-1	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4841	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, V-1	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Jul 31, 1990
Attention: Dan Thomas	Lab Number:	007-4841	Analyzed:	Aug 16, 1990
			Reported:	Aug 22, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 27, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4842	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.3
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	6.4
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 27, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4842	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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74840.JAS <9>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 27, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8270	Extracted:	Jul 31, 1990
Attention: Dan Thomas	Lab Number:	007-4842	Analyzed:	Aug 9, 1990
			Reported:	Aug 22, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
Bis(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 27, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8270	Extracted:	Jul 31, 1990
Attention: Dan Thomas	Lab Number:	007-4842	Analyzed:	Aug 9, 1990
			Reported:	Aug 22, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	N.D.
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenathrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4840	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	12
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	240
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	38
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	48
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	5.0
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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74840.JAS <25>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4840	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Jul 31, 1990
Attention: Dan Thomas	Lab Number:	007-4840	Analyzed:	Aug 16, 1990
			Reported:	Aug 22, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, V-5	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4838	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, V-6	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4837	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, V-7	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4835	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	7.5
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	3.2
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	3.4
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 24, 1990
P.O. Drawer J	Sample Descript:	Water, V-8	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4833	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	**2.0**	**3.1**
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 24, 1990
P.O. Drawer J	Sample Descript:	Water, V-8	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4833	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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74840.JAS <3>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 24, 1990
P.O. Drawer J	Sample Descript:	Water, V-9	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4832	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.6
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 24, 1990
P.O. Drawer J	Sample Descript:	Water, V-9	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4832	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 27, 1990
P.O. Drawer J	Sample Descript:	Water, V-10	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4843	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 27, 1990
P.O. Drawer J	Sample Descript:	Water, V-10	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4843	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, I-1	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4839	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 26, 1990
P.O. Drawer J	Sample Descript:	Water, I-1	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4839	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, I-2	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4834	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	3.0
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	2.2
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	3.0
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, I - 2	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4834	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, I-3	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4836	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, I-3	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4836	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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74840.JAS <5>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, I-3	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Jul 31, 1990
Attention: Dan Thomas	Lab Number:	007-4836	Analyzed:	Aug 16, 1990
			Reported:	Aug 22, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	3.6
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 24, 1990
P.O. Drawer J	Sample Descript:	Water, TB	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4845	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 24, 1990
P.O. Drawer J	Sample Descript:	Water, TB	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4845	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, FB	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4846	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, FB	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4846	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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74840.JAS <13>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, EW	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Aug 3, 1990
Attention: Dan Thomas	Lab Number:	007-4844	Reported:	Aug 22, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 25, 1990
P.O. Drawer J	Sample Descript:	Water, EW	Received:	Jul 27, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Aug 7, 1990
Attention: Dan Thomas	Lab Number:	007-4844	Reported:	Aug 22, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

74840.JAS <11>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	see below
P.O. Drawer J	Matrix Descript:	Water	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 3510/8015	Extracted:	Oct 23, 1990
Attention: Dan Thomas	First Sample #:	010-2823	Analyzed:	Oct 24, 1990
			Reported:	Nov 15, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015) AS PAINT THINNER

Sample Number	Sample Description	High B.P. Hydrocarbons µg/L (ppb)
010-2823	V-1 10/16/90	N.D.
010-2824	V-4 10/17/90	N.D.
010-2825	V-3 10/16/90	N.D.

Detection Limits:	50

High Boiling Point Hydrocarbons are quantitated against a paint thinner standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Christine L Middleton

Christine L. Middleton
Project Manager

102823.JAS <1>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-1	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2823	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	2.1
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	7.7
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Christine L. Middleton

Christine L. Middleton
Project Manager

Please Note:
Amended report on 12/3/90

102823.JAS <16>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-1	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2823	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Christine L. Middleton

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102823.JAS <2>

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NOV 26 1990

Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-1	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Oct 23, 1990
Attention: Dan Thomas	Lab Number:	010-2823	Analyzed:	Nov 6, 1990
			Reported:	Nov 15, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Christine L. Middleton

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102823.JAS <14>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2825	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2825	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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102823.JAS <4>

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NOV 2 1990

Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8270	Extracted:	Oct 25, 1990
Attention: Dan Thomas	Lab Number:	010-2825	Analyzed:	Nov 4, 1990
			Reported:	Nov 15, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acenaphthene	2.0	N.D.
Acenaphthylene	2.0	N.D.
Aniline	2.0	N.D.
Anthracene	2.0	N.D.
Benzidine	50	N.D.
Benzoic Acid	10	N.D.
Benzo(a)anthracene	2.0	N.D.
Benzo(b)fluoranthene	2.0	N.D.
Benzo(k)fluoranthene	2.0	N.D.
Benzo(g,h,i)perylene	2.0	N.D.
Benzo(a)pyrene	2.0	N.D.
Benzyl alcohol	2.0	N.D.
Bis(2-chloroethoxy)methane	2.0	N.D.
(2-chloroethyl)ether	2.0	N.D.
Bis(2-chloroisopropyl)ether	2.0	N.D.
Bis(2-ethylhexyl)phthalate	10	N.D.
4-Bromophenyl phenyl ether	2.0	N.D.
Butyl benzyl phthalate	2.0	N.D.
4-Chloroaniline	2.0	N.D.
2-Chloronaphthalene	2.0	N.D.
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
4-Chlorophenyl phenyl ether	2.0	N.D.
Chrysene	2.0	N.D.
Dibenz(a,h)anthracene	2.0	N.D.
Dibenzofuran	2.0	N.D.
Di-N-butyl phthalate	10	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
3,3-Dichlorobenzidine	10	N.D.
2,4-Dichlorophenol	2.0	N.D.
Diethyl phthalate	2.0	N.D.
2,4-Dimethylphenol	2.0	N.D.
Dimethyl phthalate	2.0	N.D.
4,6-Dinitro-2-methylphenol	10	N.D.
2,4-Dinitrophenol	10	N.D.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-3	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8270	Extracted:	Oct 25, 1990
Attention: Dan Thomas	Lab Number:	010-2825	Analyzed:	Nov 4, 1990
			Reported:	Nov 15, 1990

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/L	Sample Results µg/L
2,4-Dinitrotoluene	2.0	N.D.
2,6-Dinitrotoluene	2.0	N.D.
Di-N-octyl phthalate	2.0	N.D.
Fluoranthene	2.0	N.D.
Fluorene	2.0	N.D.
Hexachlorobenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Hexachlorocyclopentadiene	2.0	N.D.
Hexachloroethane	2.0	N.D.
Indeno(1,2,3-cd)pyrene	2.0	N.D.
Isophorone	2.0	N.D.
2-Methylnaphthalene	2.0	N.D.
2-Methylphenol	2.0	N.D.
4-Methylphenol	2.0	N.D.
Naphthalene	2.0	N.D.
2-Nitroaniline	10	N.D.
3-Nitroaniline	10	N.D.
4-Nitroaniline	10	N.D.
Nitrobenzene	2.0	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	10	N.D.
N-Nitrosodiphenylamine	2.0	N.D.
N-Nitroso-di-N-propylamine	2.0	N.D.
Pentachlorophenol	10	N.D.
Phenanthrene	2.0	N.D.
Phenol	2.0	N.D.
Pyrene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
2,4,5-Trichlorophenol	10	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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102823.JAS <29>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 17, 1990
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2824	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	25	N.D.
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	25	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,1-Dichloroethane	5.0	140
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis 1,3-Dichloropropene	5.0	N.D.
trans 1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
Methylene chloride	5.0	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	42
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Please Note:
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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 17, 1990
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2824	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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102823.JAS <3>

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NOV 2 6 1990

Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 17, 1990
P.O. Drawer J	Sample Descript:	Water, V-4	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8040	Extracted:	Oct 23, 1990
Attention: Dan Thomas	Lab Number:	010-2824	Analyzed:	Nov 6, 1990
			Reported:	Nov 15, 1990

PHENOLS (EPA 8040)

Analyte	Detection Limit µg/L	Sample Results µg/L
4-Chloro-3-methylphenol	2.0	N.D.
2-Chlorophenol	2.0	N.D.
2,4-Dichlorophenol	2.0	N.D.
2,4-Dimethylphenol	10	N.D.
2,4-Dinitrophenol	50	N.D.
2-Methyl-4,6-dinitrophenol	50	N.D.
2-Nitrophenol	2.0	N.D.
4-Nitrophenol	20	N.D.
Pentachlorophenol	20	N.D.
Phenol	2.0	N.D.
2,4,6-Trichlorophenol	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 15, 1990
P.O. Drawer J	Sample Descript:	Water, V-7	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2835	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	9.4
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	6.4
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Please Note:
Amended report on 12/3/90

102823.JAS <27>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-8	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2826	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	2.0
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Amended report on 12/3/90

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 15, 1990
P.O. Drawer J	Sample Descript:	Water, V-8	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2826	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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102823.JAS <5>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-10	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2830	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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NOV 26 1990
DAT

Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-10	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2830	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-11	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2828	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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NOV 2 4 1990
DAT

Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-11	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2828	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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102823.JAS <7>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-12	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2829	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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NOV 1990

Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, V-12	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2829	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 17, 1990
P.O. Drawer J	Sample Descript:	Water, I-1	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2831	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 17, 1990
P.O. Drawer J	Sample Descript:	Water, I-1	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2831	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 15, 1990
P.O. Drawer J	Sample Descript:	Water, I-2	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2827	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 15, 1990
P.O. Drawer J	Sample Descript:	Water, I-2	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2827	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 17, 1990
P.O. Drawer J	Sample Descript:	Water, Equipment Wash	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2833	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 17, 1990
P.O. Drawer J	Sample Descript:	Water, Equipment Wash	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2833	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, Field Blank	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	010-2834	Reported:	Nov 15, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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NOV 1990

Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 16, 1990
P.O. Drawer J	Sample Descript:	Water, Field Blank	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2834	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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102823.JAS <13>

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Jasco	Client Project ID:	#7403, OHM	Sampled:	Oct 12, 1990
P.O. Drawer J	Sample Descript:	Water, Travel Blank	Received:	Oct 17, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Oct 29, 1990
Attention: Dan Thomas	Lab Number:	010-2832	Reported:	Nov 15, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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102823.JAS <11>

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Jasco P.O. Drawer J Mountain View, CA 94042 Attention: Dan Thomas	Client Project ID: #7403, OHM Method (units): EPA 8240 (µg/L purged) QC Sample #: 011-2823		Q.C. Sample Dates Analyzed: Nov 5, 1990 Reported: Dec 4, 1990

QUALITY CONTROL DATA REPORT

Analyte	Sample Conc.	Spike Conc. Added	Conc. Matrix Spike	Matrix Spike % Recovery	Conc. Matrix Spike Duplicate	Matrix Spike Duplicate % Recovery	Relative % Difference
1,1-Dichloro-ethene	N.D.	50	43	86	70	140	48
Trichloroethene	N.D.	50	42	84	44	88	4.7
Benzene	N.D.	50	49	100	49	100	0
Toluene	N.D.	50	51	48	102	96	6.1
Chlorobenzene	N.D.	50	50	100	50	100	0

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Christine L. Middleton
Project Manager

% Recovery:	Conc. of M.S. - Conc. of Sample / Spike Conc. Added	x 100
Relative % Difference:	Conc. of M.S. - Conc. of M.S.D. / (Conc. of M.S. + Conc. of M.S.D.) / 2	x 100

102823.JAS <32>

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Jasco	Client Project ID:	#7403, OHM
P.O. Drawer J	Method:	EPA 8240
Mountain View, CA 94042		
Attention: Dan Thomas	QC Sample #:	011-2823

Reported: Dec 4, 1990

QUALITY CONTROL DATA REPORT: SURROGATE RECOVERIES, EPA 8240

Surrogate	Percent Recovery, Method Blank	Percent Recovery, 011-2823	Percent Recovery, 011-2824	Percent Recovery, 011-2825	Percent Recovery, 011-2826	Percent Recovery, 011-2827	Percent Recovery, 011-2828
1,2-Dichloro-ethane-d4	80	78	76	80	81	80	84
Toluene-d8	102	103	105	104	105	103	104
Bromofluoro-benzene	97	100	96	97	95	91	104

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Jasco P.O. Drawer J Mountain View, CA 94042 Attention: Dan Thomas	Client Project ID: #7403, OHM Method: EPA 8240 QC Sample #: 011-2823	Reported: Dec 4, 1990

QUALITY CONTROL DATA REPORT: SURROGATE RECOVERIES, EPA 8240

Surrogate	Percent Recovery, 011-2829	Percent Recovery, 011-2830	Percent Recovery, 011-2831	Percent Recovery, 011-2833	Percent Recovery, 011-2834	Percent Recovery, 011-2835
1,2-Dichloro-ethane-d4	82	79	79	80	76	80
Toluene-d8	100	103	103	104	100	105
Bromofluoro-benzene	95	102	97	91	95	100

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Jasco	Client Project ID:	#7403, OHM		
P.O. Drawer J	Sample Descript:	Water		
Mountain View, CA 94042	Analysis Method:	EPA 8240	Analyzed:	Nov 5, 1990
Attention: Dan Thomas	Lab Number:	Method Blank	Reported:	Dec 4, 1990

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
Total 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	2.0	N.D.
4-Methyl-2-pentanone	10	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
Vinyl acetate	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Christine L. Middleton

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Project Manager